# THE
# HAY AND STRAW MEASURER
# AND
# READY-RECKONER.

*To Auctioneers, Valuers, Hay and Straw Dealers, Farmers, Bailiffs, Surveyors, &c.*

**JUST PUBLISHED, PRICE 4s., Post Free.**

# THE HAY AND STRAW MEASURER,

## AND READY RECKONER:

## A COMPLETE GUIDE TO ADMEASUREMENT.

By JOHN STEELE, Witham, Essex,

WHO HAS BEEN AN EXTENSIVE CULTIVATOR, BUYER, AND SELLER OF HAY AND STRAW IN LARGE QUANTITIES.

## THE TABLES PRESENT AT ONE VIEW

1.—The Solid or Cubical Contents and Weight in Stacks of Hay, Straw, &c.
2.—The Average Weight of Hay and Straw per cubic foot.
3.—The Number of Cubic Feet or Cubic Yards in the Ton.
4.—Tons converted into Loads, or Imperial Stones.
5.—Comparative Weight per Cubic Foot, Cubic Yard, or Imperial Stone.
6.—Comparative Prices from one-eighth of a penny per lb. upwards.
7.—The Number of Cubic Yards or Cartloads in Clamps of Manure.
8.—A Guide to Purchasers or Sellers of Timber.
9.—Comparatives in Cubic Yards, Cubic Feet, Imperial Gallons, and French Cubic Metres. Number of Gallons contained in Tanks, Reservoirs, &c.
10.—The Area and Circumference of Circles.
11.—Income or Wages per Day, Week, Lunar or Calendar Month, &c.

*The Work has been pronounced Invaluable as a Guide to the above professions by many eminent Auctioneers and Valuers in Essex and Suffolk.*

IT FORMS

## A COMPLETE READY RECKONER,

And is well adapted to the requirements of the age. Its advantages are too numerous to explain here.

"It provides a want long felt," says one, "and it will be universally acknowledged."

Another writes:—"A more useful one could not be placed in the hands of our profession, and that of hay merchants, and others, accustomed to value and purchase."

**JOHN STEELE, WITHAM, ESSEX.**

# NEW TABLES

FOR THE USE OF

## AUCTIONEERS, VALUERS, FARMERS,

HAY AND STRAW DEALERS, ETC.

SHOWING

THE WEIGHT OF HAY AND STRAW, ETC., IN ROUND OR OBLONG STACKS;
THE PRICE OF COMMODITIES BY THE STONE, SCORE, CWT., AND TON;
HOW TO MEASURE TIMBER;
THE CONTENTS OF TANKS OR RESERVOIRS;
ETC., ETC., ETC.

FORMING

**A Complete Calculator and Ready-Reckoner**

ESPECIALLY ADAPTED TO PERSONS CONNECTED WITH AGRICULTURE.

BY A RETIRED TENANT-FARMER.

LONDON:
VIRTUE & CO., 26, IVY LANE,
PATERNOSTER ROW.
1870.

*Entered at Stationers' Hall.*

# PREFACE.

In presenting the following Tables to the notice of Auctioneers, Valuers, Hay and Straw Dealers, Farmers, and others, the author, who has been an extensive grower of hay, as well as a purchaser of vast quantities in stacks of large dimensions, calls especial attention to the simplicity of his plan, affording, as it does, information to sellers and buyers; showing at a glance the means of readily ascertaining by admeasurement—

1. The Solid or Cubical Contents and Weight in Stacks of Hay, Straw, &c.
2. The Average Weight of Hay and Straw per cubic foot.
3. The Number of Cubic Feet or Cubic Yards in the Ton.
4. Tons are converted into Loads, or Imperial Stones.
5. Comparative Weight per Cubic foot, Cubic Yard, or Imperial Stone.
6. Comparative Prices from $\frac{1}{8}$ of a penny per lb. upwards.
7. The Number of Cubic Yards or Cartloads in Clamps of Manure.
8. A Guide to Purchasers or Sellers of Timber.
9. Comparatives in Cubic Yards, Cubic Feet, Imperial Gallons, and French Cubic Metres.
10. The Area and Circumference of Circles.
11. Income or Wages per Day, Week, Lunar or Calendar Month, &c.

The whole forming a complete Ready-Reckoner for the use of Auctioneers, Valuers, Hay and Straw Dealers, Bailiffs, Farmers, &c.

# INTRODUCTION.

SEVERAL of the following Tables were in the first instance drawn out for the author's private use, for readily ascertaining by admeasurement the solid or cubical contents and weight in stacks of hay, straw, &c., either in round, square, or oblong forms.

Great care has been taken in compiling them to insure accuracy, also in making their application for practical purposes easy to be understood.

Examples are frequently given in these pages which will greatly assist all who have occasion to use the work.

Explanations are given for measuring the length, breadth, and height of stacks; and on referring to the Tables the total contents and weight will be ascertained.

# CONTENTS.

# NEW TABLES

FOR

# AGRICULTURAL CALCULATIONS.

## TABLE I.

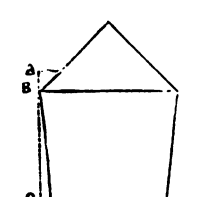
### HAY AND STRAW MEASURER, ETC.

SHOWS THE SOLID FEET, OR CUBICAL CONTENT, OF STACKS OF A ROUND OR CIRCULAR FORM, MEASURING FROM 7½ TO 17 FEET IN HEIGHT, AND FROM 12 TO 110 FEET IN CIRCUMFERENCE.

The girths are placed in the first or left-hand columns, the heights for every half-foot will be observed along the top of the other columns. The content is found opposite the given girth, and in the column under the given height.

To find the cubical content of a stack of hay of a round form, such as the accompanying figure:—As the roof of a round stack is of a conical shape, you must only reckon and measure a third part from the top to the eaves, following on to the bottom.

*Example* 1.—Suppose the roof of a round stack to measure




6 feet from the top to the eaves, you will only reckon a third part, as A to B, say 2 feet, as the case may be, and

from the eaves to the bottom, as B to C, say 9½ feet, this will give the mean height to be 11½ feet; then at half the mean height measure the circumference—say 83 feet.

See p. 12. In the first or left hand column will be found the girth, or circumference, 83 feet; opposite and in the line and under the height, 11½ feet, stands 6305 feet, the cubic content required.

Having ascertained the cubical content in feet, you must, of course, use a little of your own judgment as to the stack being loose or solid. Should it have been set up three months, and not settled down very close, it may only weigh, say 7 lbs. per cubic foot.

See Table III., Weight of Hay, p. 46.

NOTE.—As stated in the explanatory remarks on Table III., the weight of hay in stacks, &c., per cubic foot, varies much from size, age, and solidity. Tables I. and II. show the cubical contents in solid feet of round, square, or oblong stacks; and Table III. shows the number of tons, trusses, and lbs. weight in any given number of cubic feet, ranging from 4 to 10¾ lbs. per cubic foot.

If a stack be larger round at the eaves than at the bottom you must take your measurement between the two for the mean girth.

If any height be required which is not in these pages, it can be found by taking half the content of one of the heights, or by adding together the contents of two of the heights.

Should any required girth exceed the bounds of this table, the content may be found by taking half of the given girth in the table, and multiplying its content by 4, the product will be the content of the girth required. Thus, to find the content of a stack of 126 feet girth, and 16½ feet high, see Table at p. 18. In the left hand column we find half its girth, 63 feet, opposite and in the column under the height of 16½ feet stands 5211 feet, which multiplied by 4 will give 20844 cubic feet, which if divided by 27 (the number of cubic feet in a yard) will give 772 cubic yards.

To find the cubical content by the pen, multiply the girth by itself, and the product by the mean height, and this product by the decimal ·0029474, it will give 233·5033439; if you point off as many places of figures from the right as there are decimal places in the multiplier, the figures to the left of the point will show the solid content in yards, and those to the right are decimal parts of a yard; after which multiply by 27 (the number of feet in a cubic yard), the product will be 6304·5902853. With the same number of figures pointed off, those to the left of the point are solid feet, and those to the right are decimal parts of a foot, as follows:—

| | |
|---|---|
| $83 \times 83 = 6889 \times 11\frac{1}{2} = 79223\frac{1}{2} \times \cdot0029474 =$ | 233·5033439 |
| | 9 |
| | 2101·5300931 |
| Showing the solid content to be $233\frac{1}{2}$ yards and a fraction, or the content in | 3 |
| cubic feet . . . . . | 6304·5902853 |

NOTE.—Decimal parts of half a foot or more are reckoned as 1, and those under half a foot are neglected.

The multiplier, ·0029474, is found by dividing ·07958, the area of a circle whose circumference is 1, by 27, the number of cubic feet in a yard.

# TABLE I.

## CUBIC CONTENTS OF ROUND STACKS.

| Girth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 7½ ft. | 8 ft. | 8½ ft. | 9 ft. | 9½ ft. | 10 ft. | 10½ ft. | 11 ft. | 11½ ft. | 12 ft. |
| 12 | 86 | 91 | 97 | 103 | 109 | 114 | 120 | 126 | 132 | 138 |
| 13 | 101 | 108 | 114 | 121 | 128 | 134 | 141 | 148 | 155 | 161 |
| 14 | 117 | 125 | 133 | 140 | 147 | 155 | 164 | 172 | 179 | 187 |
| 15 | 134 | 143 | 152 | 161 | 170 | 179 | 188 | 197 | 206 | 215 |
| 16 | 153 | 163 | 173 | 183 | 194 | 204 | 214 | 224 | 234 | 244 |
| 17 | 172 | 184 | 195 | 207 | 218 | 230 | 241 | 253 | 264 | 276 |
| 18 | 193 | 206 | 219 | 232 | 245 | 258 | 271 | 284 | 297 | 310 |
| 19 | 215 | 230 | 244 | 259 | 275 | 287 | 302 | 316 | 330 | 345 |
| 20 | 239 | 255 | 271 | 286 | 302 | 318 | 334 | 350 | 366 | 382 |
| 21 | 264 | 281 | 298 | 316 | 333 | 351 | 368 | 386 | 404 | 421 |
| 22 | 289 | 308 | 328 | 347 | 366 | 385 | 405 | 426 | 443 | 462 |
| 23 | 316 | 337 | 358 | 379 | 400 | 421 | 442 | 463 | 484 | 505 |
| 24 | 344 | 367 | 390 | 413 | 436 | 458 | 481 | 504 | 527 | 550 |
| 25 | 373 | 398 | 423 | 448 | 473 | 498 | 522 | 547 | 572 | 597 |
| 26 | 403 | 430 | 457 | 484 | 511 | 538 | 565 | 592 | 619 | 646 |
| 27 | 435 | 464 | 493 | 522 | 551 | 580 | 609 | 638 | 667 | 696 |
| 28 | 468 | 499 | 530 | 562 | 593 | 623 | 655 | 686 | 717 | 749 |
| 29 | 502 | 535 | 569 | 602 | 636 | 669 | 703 | 736 | 770 | 803 |
| 30 | 537 | 573 | 609 | 645 | 680 | 716 | 752 | 788 | 824 | 859 |
| 31 | 574 | 612 | 650 | 688 | 727 | 765 | 803 | 841 | 879 | 918 |
| 32 | 611 | 652 | 693 | 733 | 774 | 815 | 856 | 896 | 937 | 978 |
| 33 | 650 | 693 | 737 | 780 | 823 | 867 | 910 | 953 | 997 | 1040 |
| 34 | 690 | 736 | 782 | 828 | 874 | 920 | 966 | 1012 | 1058 | 1104 |
| 35 | 731 | 780 | 828 | 877 | 926 | 975 | 1023 | 1072 | 1121 | 1170 |
| 36 | 773 | 825 | 877 | 928 | 980 | 1031 | 1082 | 1134 | 1186 | 1238 |
| 37 | 817 | 872 | 926 | 980 | 1035 | 1089 | 1144 | 1198 | 1253 | 1307 |
| 38 | 862 | 919 | 977 | 1034 | 1092 | 1149 | 1207 | 1264 | 1322 | 1379 |
| 39 | 908 | 968 | 1029 | 1089 | 1160 | 1210 | 1271 | 1331 | 1392 | 1452 |
| 40 | 955 | 1019 | 1082 | 1146 | 1210 | 1273 | 1337 | 1401 | 1464 | 1528 |
| 41 | 1003 | 1070 | 1137 | 1204 | 1270 | 1338 | 1405 | 1471 | 1538 | 1605 |
| 42 | 1053 | 1123 | 1193 | 1263 | 1334 | 1404 | 1474 | 1544 | 1614 | 1685 |
| 43 | 1104 | 1177 | 1251 | 1324 | 1398 | 1471 | 1545 | 1619 | 1692 | 1766 |
| 44 | 1155 | 1233 | 1310 | 1387 | 1464 | 1541 | 1618 | 1695 | 1772 | 1849 |
| 45 | 1209 | 1289 | 1370 | 1450 | 1531 | 1612 | 1692 | 1773 | 1853 | 1934 |
| 46 | 1263 | 1347 | 1431 | 1556 | 1600 | 1684 | 1768 | 1852 | 1937 | 2021 |
| 47 | 1318 | 1406 | 1494 | 1582 | 1670 | 1758 | 1846 | 1934 | 2022 | 2110 |
| 48 | 1375 | 1467 | 1558 | 1650 | 1742 | 1833 | 1925 | 2017 | 2109 | 2200 |
| 49 | 1433 | 1528 | 1624 | 1719 | 1815 | 1910 | 2006 | 2101 | 2197 | 2292 |
| 50 | 1492 | 1592 | 1691 | 1791 | 1891 | 1989 | 2089 | 2188 | 2288 | 2387 |
| 51 | 1552 | 1656 | 1769 | 1863 | 1966 | 2070 | 2173 | 2277 | 2380 | 2484 |
| 52 | 1614 | 1721 | 1829 | 1937 | 2044 | 2152 | 2259 | 2367 | 2474 | 2582 |
| 53 | 1677 | 1788 | 1900 | 2012 | 2124 | 2235 | 2347 | 2459 | 2571 | 2684 |
| 54 | 1740 | 1856 | 1972 | 2088 | 2205 | 2321 | 2437 | 2553 | 2669 | 2785 |
| 55 | 1805 | 1926 | 2046 | 2167 | 2287 | 2407 | 2528 | 2648 | 2768 | 2889 |
| 56 | 1872 | 1996 | 2121 | 2246 | 2371 | 2496 | 2620 | 2745 | 2870 | 2995 |
| 57 | 1939 | 2068 | 2198 | 2327 | 2456 | 2586 | 2715 | 2844 | 2973 | 3103 |
| 58 | 2008 | 2142 | 2276 | 2409 | 2543 | 2677 | 2811 | 2945 | 3079 | 3212 |
| 59 | 2078 | 2216 | 2355 | 2493 | 2632 | 2770 | 2909 | 3047 | 3186 | 3324 |
| 60 | 2149 | 2292 | 2435 | 2578 | 2722 | 2865 | 3008 | 3151 | 3295 | 3438 |

# TABLE I. *continued.*

## CUBIC CONTENTS OF ROUND STACKS.

| Girth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 12½ ft. | 13 ft. | 13½ ft. | 14 ft. | 14½ ft. | 15 ft. | 15½ ft. | 16 ft. | 16½ ft. | 17 ft. |
| 12 | 143 | 194 | 153 | 160 | 166 | 171 | 177 | 183 | 189 | 194 |
| 13 | 168 | 175 | 182 | 188 | 195 | 202 | 208 | 215 | 222 | 229 |
| 14 | 195 | 203 | 211 | 218 | 226 | 234 | 242 | 250 | 257 | 265 |
| 15 | 224 | 233 | 242 | 251 | 260 | 269 | 277 | 286 | 295 | 304 |
| 16 | 255 | 265 | 275 | 285 | 295 | 306 | 316 | 326 | 336 | 346 |
| 17 | 287 | 299 | 310 | 322 | 333 | 345 | 355 | 368 | 378 | 391 |
| 18 | 323 | 335 | 348 | 361 | 374 | 387 | 400 | 413 | 426 | 438 |
| 19 | 359 | 373 | 388 | 402 | 417 | 431 | 445 | 460 | 474 | 488 |
| 20 | 398 | 414 | 430 | 446 | 462 | 477 | 493 | 509 | 525 | 541 |
| 21 | 439 | 456 | 474 | 491 | 509 | 526 | 544 | 562 | 579 | 597 |
| 22 | 482 | 501 | 520 | 540 | 559 | 578 | 597 | 616 | 636 | 655 |
| 23 | 526 | 547 | 568 | 589 | 610 | 631 | 653 | 676 | 695 | 716 |
| 24 | 573 | 596 | 619 | 642 | 665 | 688 | 711 | 734 | 756 | 779 |
| 25 | 622 | 647 | 671 | 699 | 721 | 746 | 771 | 796 | 821 | 846 |
| 26 | 672 | 699 | 729 | 753 | 780 | 807 | 834 | 861 | 888 | 915 |
| 27 | 725 | 754 | 783 | 812 | 841 | 870 | 899 | 928 | 957 | 986 |
| 28 | 780 | 811 | 842 | 873 | 905 | 936 | 967 | 998 | 1029 | 1061 |
| 29 | 837 | 870 | 904 | 937 | 970 | 1004 | 1037 | 1071 | 1104 | 1138 |
| 30 | 895 | 931 | 967 | 1023 | 1039 | 1074 | 1110 | 1146 | 1182 | 1218 |
| 31 | 956 | 994 | 1032 | 1071 | 1109 | 1147 | 1185 | 1224 | 1262 | 1300 |
| 32 | 1019 | 1059 | 1100 | 1141 | 1182 | 1222 | 1263 | 1304 | 1345 | 1385 |
| 33 | 1083 | 1127 | 1170 | 1213 | 1257 | 1300 | 1343 | 1386 | 1430 | 1473 |
| 34 | 1150 | 1196 | 1242 | 1288 | 1334 | 1380 | 1425 | 1471 | 1517 | 1563 |
| 35 | 1218 | 1267 | 1316 | 1365 | 1413 | 1462 | 1511 | 1560 | 1608 | 1657 |
| 36 | 1290 | 1341 | 1392 | 1444 | 1496 | 1547 | 1599 | 1650 | 1702 | 1753 |
| 37 | 1362 | 1416 | 1471 | 1525 | 1580 | 1634 | 1689 | 1743 | 1798 | 1852 |
| 38 | 1436 | 1494 | 1551 | 1609 | 1666 | 1724 | 1781 | 1839 | 1896 | 1954 |
| 39 | 1513 | 1574 | 1634 | 1695 | 1755 | 1816 | 1876 | 1937 | 1997 | 2058 |
| 40 | 1592 | 1655 | 1719 | 1783 | 1846 | 1910 | 1974 | 2037 | 2101 | 2165 |
| 41 | 1672 | 1739 | 1806 | 1873 | 1940 | 2007 | 2073 | 2140 | 2207 | 2274 |
| 42 | 1755 | 1825 | 1895 | 1965 | 2035 | 2106 | 2176 | 2246 | 2316 | 2386 |
| 43 | 1839 | 1913 | 1984 | 2060 | 2134 | 2207 | 2281 | 2354 | 2428 | 2501 |
| 44 | 1926 | 2003 | 2080 | 2158 | 2234 | 2311 | 2388 | 2465 | 2542 | 2619 |
| 45 | 2014 | 2095 | 2176 | 2256 | 2337 | 2417 | 2498 | 2578 | 2659 | 2740 |
| 46 | 2105 | 2189 | 2273 | 2358 | 2442 | 2526 | 2610 | 2694 | 2779 | 2863 |
| 47 | 2197 | 2285 | 2373 | 2461 | 2549 | 2637 | 2725 | 2813 | 2901 | 2988 |
| 48 | 2292 | 2384 | 2475 | 2567 | 2659 | 2750 | 2841 | 2934 | 3025 | 3117 |
| 49 | 2388 | 2483 | 2579 | 2674 | 2770 | 2865 | 2961 | 3057 | 3152 | 3248 |
| 50 | 2487 | 2586 | 2686 | 2785 | 2885 | 2984 | 3084 | 3183 | 3283 | 3382 |
| 51 | 2587 | 2691 | 2794 | 2898 | 3001 | 3105 | 3208 | 3312 | 3415 | 3519 |
| 52 | 2699 | 2797 | 2905 | 3012 | 3120 | 3228 | 3335 | 3443 | 3550 | 3658 |
| 53 | 2794 | 2906 | 3018 | 3130 | 3241 | 3353 | 3465 | 3577 | 3688 | 3800 |
| 54 | 2901 | 3017 | 3133 | 3249 | 3365 | 3481 | 3597 | 3713 | 3829 | 3945 |
| 55 | 3009 | 3129 | 3250 | 3370 | 3491 | 3611 | 3731 | 3852 | 3972 | 4092 |
| 56 | 3120 | 3244 | 3369 | 3494 | 3619 | 3743 | 3868 | 3993 | 4118 | 4243 |
| 57 | 3232 | 3361 | 3490 | 3620 | 3749 | 3878 | 4008 | 4137 | 4266 | 4395 |
| 58 | 3346 | 3480 | 3614 | 3748 | 3882 | 4016 | 4149 | 4283 | 4417 | 4551 |
| 59 | 3463 | 3601 | 3740 | 3878 | 4017 | 4155 | 4294 | 4432 | 4571 | 4709 |
| 60 | 3581 | 3724 | 3868 | 4011 | 4154 | 4297 | 4441 | 4584 | 4727 | 4870 |

## TABLE I. *continued.*

### CUBIC CONTENTS OF ROUND STACKS.

| Girth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 7½ ft. | 8 ft. | 8½ ft. | 9 ft. | 9½ ft. | 10 ft. | 10½ ft. | 11 ft. | 11½ ft. | 12 ft. |
| 61 | 2221 | 2369 | 2517 | 2665 | 2813 | 2961 | 3109 | 3257 | 3405 | 3553 |
| 62 | 2284 | 2247 | 2600 | 2753 | 2906 | 3059 | 3213 | 3365 | 3518 | 3671 |
| 63 | 2369 | 2527 | 2685 | 2843 | 3001 | 3159 | 3316 | 3474 | 3632 | 3790 |
| 64 | 2445 | 2608 | 2771 | 2934 | 3097 | 3260 | 3423 | 3586 | 3749 | 3912 |
| 65 | 2522 | 2690 | 2858 | 3026 | 3194 | 3362 | 3530 | 3698 | 3867 | 4035 |
| 66 | 2600 | 2773 | 2947 | 3120 | 3293 | 3466 | 3640 | 3813 | 3986 | 4160 |
| 67 | 2679 | 2858 | 3036 | 3215 | 3394 | 3572 | 3751 | 3930 | 4108 | 4287 |
| 68 | 2760 | 2944 | 3128 | 3312 | 3496 | 3680 | 3864 | 4048 | 4232 | 4416 |
| 69 | 2842 | 3031 | 3220 | 3410 | 3599 | 3789 | 3978 | 4168 | 4357 | 4547 |
| 70 | 2925 | 3120 | 3315 | 3509 | 3704 | 3899 | 4094 | 4289 | 4484 | 4679 |
| 71 | 3009 | 3209 | 3410 | 3610 | 3811 | 4012 | 4212 | 4413 | 4613 | 4814 |
| 72 | 3083 | 3288 | 3494 | 3699 | 3905 | 4110 | 4316 | 4521 | 4727 | 4932 |
| 73 | 3181 | 3393 | 3505 | 3817 | 4029 | 4241 | 4453 | 4665 | 4877 | 5089 |
| 74 | 3268 | 3486 | 3704 | 3922 | 4140 | 4358 | 4576 | 4794 | 5011 | 5229 |
| 75 | 3357 | 3581 | 3805 | 4029 | 4253 | 4476 | 4700 | 4924 | 5148 | 5372 |
| 76 | 3447 | 3677 | 3907 | 4137 | 4367 | 4597 | 4826 | 5056 | 5286 | 5516 |
| 77 | 3539 | 3775 | 4011 | 4246 | 4482 | 4718 | 4954 | 5190 | 5426 | 5662 |
| 78 | 3621 | 3873 | 4115 | 4357 | 4600 | 4842 | 5084 | 5326 | 5568 | 5810 |
| 79 | 3275 | 3973 | 4222 | 4470 | 4718 | 4967 | 5215 | 5463 | 5712 | 5960 |
| 80 | 3820 | 4074 | 4329 | 4584 | 4838 | 5093 | 5348 | 5602 | 5857 | 6112 |
| 81 | 3916 | 4177 | 4438 | 4699 | 4960 | 5221 | 5482 | 5743 | 6004 | 6265 |
| 82 | 4013 | 4280 | 4548 | 4816 | 5083 | 5351 | 5618 | 5886 | 6154 | 6421 |
| 83 | 4112 | 4386 | 4660 | 4934 | 5208 | 5482 | 5756 | 6030 | 6305 | 6579 |
| 84 | 4211 | 4492 | 4773 | 5054 | 5334 | 5615 | 5896 | 6177 | 6457 | 6738 |
| 85 | 4312 | 4600 | 4887 | 5175 | 5462 | 5750 | 6037 | 6325 | 6612 | 6900 |
| 86 | 4414 | 4709 | 5003 | 5297 | 5591 | 5886 | 6080 | 6474 | 6769 | 6963 |
| 87 | 4518 | 4819 | 5180 | 5421 | 5722 | 6023 | 6325 | 6626 | 6927 | 7228 |
| 88 | 4622 | 4930 | 5238 | 5546 | 5855 | 6163 | 6471 | 6779 | 7087 | 7395 |
| 89 | 4728 | 5043 | 5358 | 5673 | 5988 | 6604 | 6619 | 6934 | 7249 | 7564 |
| 90 | 4834 | 5157 | 5479 | 5801 | 6124 | 6446 | 6768 | 7091 | 7413 | 7735 |
| 91 | 4943 | 5272 | 5702 | 5931 | 6261 | 6590 | 6920 | 7249 | 7579 | 7808 |
| 92 | 5052 | 5389 | 5725 | 6062 | 6399 | 6736 | 7072 | 7409 | 7746 | 8083 |
| 93 | 5162 | 5506 | 5850 | 6195 | 6539 | 6883 | 7227 | 7571 | 7915 | 8269 |
| 94 | 5274 | 5625 | 5977 | 6329 | 6680 | 7032 | 7383 | 7735 | 8086 | 8438 |
| 95 | 5387 | 5746 | 6105 | 6464 | 6823 | 7182 | 7541 | 7900 | 8259 | 8618 |
| 96 | 5501 | 5867 | 6234 | 6601 | 6967 | 7334 | 7701 | 8067 | 8434 | 8801 |
| 97 | 5616 | 5990 | 6365 | 6739 | 7113 | 7488 | 7862 | 8236 | 8601 | 8985 |
| 98 | 5732 | 6114 | 6496 | 6879 | 7261 | 7643 | 8025 | 8407 | 8789 | 9171 |
| 99 | 5850 | 6240 | 6630 | 7020 | 7410 | 7800 | 8190 | 8580 | 8970 | 9360 |
| 100 | 5968 | 6363 | 6764 | 7162 | 7560 | 7958 | 8356 | 8754 | 9152 | 9550 |
| 101 | 6088 | 6494 | 6900 | 7306 | 7712 | 8118 | 8524 | 8930 | 9336 | 9742 |
| 102 | 6210 | 6624 | 7038 | 7452 | 7866 | 8279 | 8693 | 9107 | 9521 | 9935 |
| 103 | 6631 | 6753 | 7175 | 7597 | 8019 | 8441 | 8863 | 9285 | 9707 | 10130 |
| 104 | 6459 | 6890 | 7320 | 7751 | 8182 | 8612 | 9043 | 9474 | 9904 | 10345 |
| 105 | 6580 | 7019 | 7458 | 7896 | 8335 | 8774 | 9212 | 9651 | 10090 | 10528 |
| 106 | 6706 | 7153 | 7600 | 8047 | 8495 | 8942 | 9389 | 9836 | 10283 | 10730 |
| 107 | 6833 | 7289 | 7744 | 8200 | 8656 | 9111 | 9567 | 10022 | 10478 | 10933 |
| 108 | 6962 | 7426 | 7890 | 8354 | 8818 | 9282 | 9746 | 10210 | 10675 | 11139 |
| 109 | 7091 | 7564 | 8037 | 8509 | 8982 | 9455 | 9928 | 10400 | 10873 | 11346 |
| 110 | 7222 | 7703 | 8185 | 8666 | 9148 | 9629 | 10111 | 10592 | 11074 | 11555 |

# TABLE I. *continued.*

## CUBIC CONTENTS OF ROUND STACKS.

| Girth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 12½ ft. | 13 ft. | 13½ ft. | 14 ft. | 14½ ft. | 15 ft. | 15½ ft. | 16 ft. | 16½ ft. | 17 ft. |
| 61 | 3701 | 3850 | 3998 | 4146 | 4294 | 4442 | 4590 | 4738 | 4886 | 5034 |
| 62 | 3824 | 3977 | 4130 | 4283 | 4436 | 4589 | 4742 | 4894 | 5047 | 5200 |
| 63 | 3948 | 4106 | 4264 | 4422 | 4580 | 4738 | 4896 | 5054 | 5211 | 5369 |
| 64 | 4074 | 4237 | 4400 | 4563 | 4726 | 4889 | 5052 | 5215 | 5378 | 5541 |
| 65 | 4203 | 4371 | 4539 | 4707 | 4875 | 5043 | 5211 | 5380 | 5548 | 5716 |
| 66 | 4333 | 4506 | 4680 | 4853 | 5026 | 5200 | 5373 | 5546 | 5720 | 5893 |
| 67 | 4465 | 4644 | 4823 | 5001 | 5180 | 5359 | 5537 | 5716 | 5894 | 6073 |
| 68 | 4600 | 4784 | 4968 | 5152 | 5336 | 5520 | 5704 | 5888 | 6072 | 6256 |
| 69 | 4736 | 4925 | 5115 | 5304 | 5494 | 5683 | 5873 | 6062 | 6252 | 6441 |
| 70 | 4874 | 5069 | 5264 | 5459 | 5654 | 5849 | 6044 | 6239 | 6434 | 6629 |
| 71 | 5015 | 5215 | 5416 | 5616 | 5817 | 6017 | 6218 | 6419 | 6619 | 6820 |
| 72 | 5138 | 5343 | 5549 | 5755 | 5960 | 6166 | 6371 | 6577 | 6782 | 6988 |
| 73 | 5301 | 5513 | 5725 | 5937 | 6149 | 6361 | 6573 | 6785 | 6997 | 7209 |
| 74 | 5447 | 5665 | 5883 | 6101 | 6319 | 6537 | 6755 | 6972 | 7190 | 7408 |
| 75 | 5595 | 5819 | 6043 | 6267 | 6491 | 6715 | 6938 | 7162 | 7386 | 7610 |
| 76 | 5746 | 5975 | 6205 | 6435 | 6665 | 6895 | 7125 | 7354 | 7584 | 7814 |
| 77 | 5898 | 6134 | 6370 | 6606 | 6842 | 7079 | 7313 | 7549 | 7785 | 8021 |
| 78 | 6052 | 6294 | 6536 | 6778 | 7020 | 7262 | 7504 | 7747 | 7989 | 8231 |
| 79 | 6208 | 6457 | 6705 | 6953 | 7202 | 7450 | 7698 | 7947 | 8195 | 8443 |
| 80 | 6366 | 6621 | 6876 | 7130 | 7385 | 7640 | 7894 | 8149 | 8404 | 8658 |
| 81 | 6527 | 6788 | 7049 | 7310 | 7571 | 7832 | 8093 | 8354 | 8615 | 8876 |
| 82 | 6689 | 6956 | 7224 | 7491 | 7759 | 8026 | 8294 | 8562 | 8829 | 9097 |
| 83 | 6853 | 7127 | 7401 | 7675 | 7949 | 8223 | 8497 | 8772 | 9046 | 9320 |
| 84 | 7019 | 7300 | 7580 | 7861 | 8142 | 8423 | 8703 | 8984 | 9265 | 9546 |
| 85 | 7187 | 7475 | 7762 | 8049 | 8337 | 8624 | 8912 | 9199 | 9487 | 9774 |
| 86 | 7367 | 7661 | 7946 | 8241 | 8535 | 8830 | 8125 | 9420 | 9715 | 10010 |
| 87 | 7529 | 7830 | 8132 | 8433 | 8734 | 9035 | 9336 | 9637 | 9939 | 10240 |
| 88 | 7703 | 8011 | 8320 | 8628 | 8936 | 9244 | 9552 | 9868 | 10168 | 10477 |
| 89 | 7879 | 8195 | 8510 | 8825 | 9140 | 9455 | 9770 | 10086 | 10401 | 10716 |
| 90 | 8057 | 8380 | 8702 | 9024 | 9347 | 9669 | 9991 | 10314 | 10636 | 10958 |
| 91 | 8238 | 8567 | 8896 | 9226 | 9556 | 9885 | 10215 | 10544 | 10874 | 11203 |
| 92 | 8420 | 8756 | 9093 | 9430 | 9767 | 10103 | 10440 | 10777 | 11114 | 11450 |
| 93 | 8604 | 8948 | 9292 | 9636 | 9980 | 10324 | 10668 | 11013 | 11357 | 11701 |
| 94 | 8790 | 9141 | 9493 | 9844 | 10196 | 10548 | 10899 | 11251 | 11602 | 11954 |
| 95 | 8978 | 9337 | 9696 | 10055 | 10414 | 10773 | 11132 | 11491 | 11850 | 12209 |
| 96 | 9168 | 9534 | 9901 | 10268 | 10634 | 11001 | 11368 | 11735 | 12101 | 12468 |
| 97 | 9360 | 9734 | 10108 | 10483 | 10857 | 11231 | 11606 | 11980 | 12355 | 12729 |
| 98 | 9554 | 9936 | 10318 | 10700 | 11082 | 11464 | 11846 | 12229 | 12611 | 12993 |
| 99 | 9750 | 10140 | 10529 | 10919 | 11309 | 11699 | 12089 | 12479 | 12869 | 13259 |
| 100 | 9947 | 10345 | 10743 | 11141 | 11539 | 11937 | 12335 | 12733 | 13131 | 13528 |
| 101 | 10147 | 10553 | 10959 | 11365 | 11771 | 12177 | 12583 | 12989 | 13395 | 13800 |
| 102 | 10349 | 10763 | 11177 | 11590 | 12005 | 12419 | 12833 | 13347 | 13660 | 14075 |
| 103 | 10552 | 10974 | 11396 | 11818 | 12240 | 12662 | 13084 | 13506 | 13928 | 14350 |
| 104 | 10765 | 11196 | 11627 | 12057 | 12488 | 12919 | 13349 | 13780 | 14210 | 14641 |
| 105 | 10967 | 11406 | 11844 | 12283 | 12722 | 13161 | 13599 | 14038 | 14477 | 14915 |
| 106 | 11177 | 11624 | 12071 | 12518 | 12965 | 13412 | 13859 | 14307 | 14754 | 15201 |
| 107 | 11389 | 11844 | 12300 | 12756 | 13211 | 13667 | 14122 | 14578 | 15033 | 15489 |
| 108 | 11603 | 12067 | 12531 | 12995 | 13459 | 13923 | 14387 | 14852 | 15316 | 15780 |
| 109 | 11819 | 12291 | 12764 | 13237 | 13710 | 14182 | 14655 | 15128 | 15601 | 16073 |
| 110 | 12036 | 12518 | 12999 | 13481 | 13962 | 14444 | 14925 | 15407 | 15888 | 16370 |

## TABLE II.

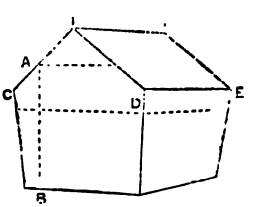
### HAY AND STRAW MEASURER, ETC.

SHOWS THE SOLID FEET, OR CUBICAL CONTENT, OF STACKS OF A SQUARE OR OBLONG FORM, MEASURING FROM 1 TO 50 FEET IN LENGTH, FROM 11 TO 25 FEET IN BREADTH, AND 8 INCHES TO 18 FEET IN HEIGHT.

The breadths are found on the top of the several pages, the lengths are placed in the left-hand columns, and the heights are arranged along the tops of the other columns; at any given breadth or height the content is found opposite to any given length, and in the column under the given height.

Should any dimensions exceed the bounds of this table, the cubic content may be found by adding together the contents of two dimensions, either in length, breadth, or height.

To find the solid content of a stack of hay, such as the form adjoining, the ends being perpendicular; but should the breadth be wider at the eaves than at the bottom, add the two measurements together, and divide the sum by 2 for the mean breadth.




*Example* 1.—At one end of the stack measure the height; that is, to half way between the top and the eaves, and then downwards to the bottom, as A to B, say 10 feet. Secondly,

measure the breadth, as C to D, say 19 feet. Thirdly, measure the length, as D to E, say 25 feet. Now turn to Table II., p. 33, breadth 19 feet: in the first or left-hand column will be found the length 25 feet; opposite and in the column under the height, 10 feet, stands 4750 feet, the cubical content required.

Having ascertained the cubical content in feet, you must, of course, use a little of your own judgment as to the stack being loose or solid. Should it have been set up three months, and not settled down very close, it may only weigh, say 7½ lbs. per cubic foot.

See Table III., Weight of Hay, p. 46.

*Example* 2.—Suppose a stack of hay to be got up in good order, and settled down more closely than the first, and to weigh, say 8½ lbs. per cubic foot, and to measure from A to B, say 10 feet, from C to D, say 22 feet, and from D to E, say 29 feet. Turn to Table II., p. 39, breadth 22 feet: in the first or left-hand column we find the length 29 feet; opposite which, and in the column under the height of 10 feet, stands 6380 feet, the cubic content.

See Table III., Weight of Hay, p. 47.

To find the cubic content by the pen, multiply the breadth by the height, and the product by the length. Thus, $22 \times 10 = 220 \times 29 = 6380$ cubic feet, which, if you divide by 27 (the number of feet in a cubic yard), the product will be 236 yards 8 feet.

By this cubic table the content of any building, clamps of bricks, stone, road materials, earthwork, excavations, stacks of bark, hay, straw, &c., can be ascertained in cubic feet.

# TABLE II.

## CUBIC CONTENTS OF OBLONG STACKS.

**Breadth, 11 feet.**

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 2¾ | 5½ | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 |
| 2 | 5½ | 11 | 22 | 44 | 66 | 88 | 110 | 132 | 154 | 176 |
| 3 | 8¼ | 16½ | 33 | 66 | 99 | 132 | 165 | 198 | 231 | 264 |
| 4 | 11 | 22 | 44 | 88 | 132 | 176 | 220 | 264 | 308 | 352 |
| 5 | 13¾ | 27½ | 55 | 110 | 165 | 220 | 275 | 330 | 385 | 440 |
| 6 | 16½ | 33 | 66 | 132 | 198 | 264 | 330 | 396 | 462 | 528 |
| 7 | 19¼ | 38½ | 77 | 154 | 231 | 308 | 385 | 462 | 539 | 616 |
| 8 | 22 | 44 | 88 | 176 | 264 | 352 | 440 | 528 | 616 | 704 |
| 9 | 24¾ | 49½ | 99 | 198 | 297 | 396 | 495 | 594 | 693 | 792 |
| 10 | 27½ | 55 | 110 | 220 | 330 | 440 | 550 | 660 | 770 | 880 |
| 11 | 30¼ | 60½ | 121 | 242 | 363 | 484 | 605 | 726 | 847 | 968 |
| 12 | 33 | 66 | 132 | 264 | 396 | 528 | 660 | 792 | 924 | 1056 |
| 13 | 35¾ | 71½ | 143 | 286 | 429 | 572 | 715 | 858 | 1001 | 1144 |
| 14 | 38½ | 77 | 154 | 308 | 462 | 616 | 770 | 924 | 1078 | 1232 |
| 15 | 41¼ | 82½ | 165 | 330 | 495 | 660 | 825 | 990 | 1155 | 1320 |
| 16 | 44 | 88 | 176 | 352 | 528 | 704 | 880 | 1056 | 1232 | 1408 |
| 17 | 46¾ | 93½ | 187 | 374 | 561 | 748 | 935 | 1122 | 1309 | 1496 |
| 18 | 49½ | 99 | 198 | 396 | 594 | 792 | 990 | 1188 | 1386 | 1584 |
| 19 | 52¼ | 104½ | 209 | 418 | 627 | 836 | 1045 | 1254 | 1463 | 1672 |
| 20 | 55 | 110 | 220 | 440 | 660 | 880 | 1100 | 1320 | 1540 | 1760 |
| 21 | 57¾ | 115½ | 231 | 462 | 693 | 924 | 1155 | 1386 | 1617 | 1848 |
| 22 | 60½ | 121 | 242 | 484 | 726 | 968 | 1210 | 1452 | 1694 | 1936 |
| 23 | 63¼ | 126½ | 253 | 506 | 759 | 1012 | 1265 | 1518 | 1771 | 2024 |
| 24 | 66 | 132 | 264 | 528 | 792 | 1056 | 1320 | 1584 | 1848 | 2112 |
| 25 | 68¾ | 137½ | 275 | 550 | 825 | 1100 | 1375 | 1650 | 1925 | 2200 |
| 26 | 71½ | 143 | 286 | 572 | 858 | 1144 | 1430 | 1716 | 2002 | 2288 |
| 27 | 74¼ | 148½ | 297 | 594 | 891 | 1188 | 1485 | 1782 | 2079 | 2376 |
| 28 | 77 | 154 | 308 | 616 | 924 | 1232 | 1540 | 1848 | 2156 | 2464 |
| 29 | 79¾ | 159½ | 319 | 638 | 957 | 1276 | 1595 | 1914 | 2233 | 2552 |
| 30 | 82½ | 165 | 330 | 660 | 990 | 1320 | 1650 | 1980 | 2310 | 2640 |
| 31 | 85¼ | 170½ | 341 | 682 | 1023 | 1364 | 1705 | 2046 | 2387 | 2728 |
| 32 | 88 | 176 | 352 | 704 | 1056 | 1408 | 1760 | 2112 | 2464 | 2816 |
| 33 | 90¾ | 181½ | 363 | 726 | 1089 | 1452 | 1815 | 2178 | 2541 | 2904 |
| 34 | 93½ | 187 | 374 | 748 | 1122 | 1496 | 1870 | 2244 | 2618 | 2992 |
| 35 | 96¼ | 192½ | 385 | 770 | 1155 | 1540 | 1925 | 2310 | 2695 | 3080 |
| 36 | 99 | 198 | 396 | 792 | 1188 | 1584 | 1980 | 2376 | 2772 | 3168 |
| 37 | 101¾ | 203½ | 407 | 814 | 1221 | 1628 | 2035 | 2442 | 2849 | 3256 |
| 38 | 104½ | 209 | 418 | 836 | 1254 | 1672 | 2090 | 2508 | 2926 | 3344 |
| 39 | 107¼ | 214¼ | 429 | 858 | 1287 | 1716 | 2145 | 2574 | 3003 | 3432 |
| 40 | 110 | 220 | 440 | 880 | 1320 | 1760 | 2200 | 2640 | 3080 | 3520 |
| 41 | 112¾ | 225½ | 451 | 902 | 1353 | 1804 | 2255 | 2706 | 3157 | 3608 |
| 42 | 115½ | 231 | 462 | 924 | 1386 | 1848 | 2310 | 2772 | 3234 | 3696 |
| 43 | 118¼ | 236½ | 473 | 946 | 1419 | 1892 | 2365 | 2838 | 3311 | 3784 |
| 44 | 121 | 242 | 484 | 968 | 1452 | 1936 | 2420 | 2904 | 3388 | 3872 |
| 45 | 123¾ | 247½ | 495 | 990 | 1485 | 1980 | 2475 | 2970 | 3465 | 3960 |
| 46 | 126½ | 253 | 506 | 1012 | 1518 | 2024 | 2530 | 3036 | 3542 | 4048 |
| 47 | 129¼ | 258½ | 517 | 1034 | 1551 | 2068 | 2585 | 3102 | 3619 | 4136 |
| 48 | 132 | 264 | 528 | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| 49 | 134¾ | 269½ | 539 | 1078 | 1617 | 2156 | 2695 | 3234 | 3773 | 4312 |
| 50 | 137½ | 275 | 550 | 1100 | 1650 | 2200 | 2750 | 3300 | 3850 | 4400 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 11 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 99 | 110 | 121 | 132 | 143 | 154 | 165 | 176 | 187 | 198 |
| 2 | 198 | 220 | 242 | 264 | 286 | 308 | 330 | 352 | 374 | 396 |
| 3 | 297 | 330 | 363 | 396 | 429 | 462 | 495 | 528 | 561 | 594 |
| 4 | 396 | 440 | 484 | 528 | 572 | 616 | 660 | 704 | 748 | 792 |
| 5 | 495 | 550 | 605 | 660 | 715 | 770 | 825 | 880 | 935 | 990 |
| 6 | 594 | 660 | 726 | 792 | 858 | 924 | 990 | 1056 | 1122 | 1188 |
| 7 | 693 | 770 | 847 | 924 | 1001 | 1078 | 1155 | 1232 | 1309 | 1386 |
| 8 | 792 | 880 | 968 | 1056 | 1144 | 1232 | 1320 | 1408 | 1496 | 1584 |
| 9 | 891 | 990 | 1089 | 1188 | 1287 | 1386 | 1485 | 1584 | 1683 | 1782 |
| 10 | 990 | 1100 | 1210 | 1320 | 1430 | 1540 | 1650 | 1760 | 1870 | 1980 |
| 11 | 1089 | 1210 | 1331 | 1452 | 1573 | 1694 | 1815 | 1936 | 2057 | 2178 |
| 12 | 1188 | 1320 | 1452 | 1584 | 1716 | 1848 | 1980 | 2112 | 2244 | 2376 |
| 13 | 1287 | 1430 | 1573 | 1716 | 1859 | 2002 | 2145 | 2288 | 2431 | 2574 |
| 14 | 1386 | 1540 | 1694 | 1848 | 2002 | 2156 | 2310 | 2464 | 2618 | 2772 |
| 15 | 1485 | 1650 | 1815 | 1980 | 2145 | 2310 | 2475 | 2640 | 2805 | 2970 |
| 16 | 1584 | 1760 | 1936 | 2112 | 2288 | 2464 | 2640 | 2816 | 2992 | 3168 |
| 17 | 1683 | 1870 | 2057 | 2244 | 2431 | 2618 | 2805 | 2992 | 3179 | 3266 |
| 18 | 1782 | 1980 | 2178 | 2376 | 2574 | 2772 | 2970 | 3168 | 3366 | 3564 |
| 19 | 1881 | 2090 | 2299 | 2508 | 2717 | 2926 | 3135 | 3344 | 3553 | 3762 |
| 20 | 1980 | 2200 | 2420 | 2640 | 2860 | 3080 | 3300 | 3520 | 3740 | 3960 |
| 21 | 2079 | 2310 | 2541 | 2772 | 3003 | 3234 | 3465 | 3696 | 3927 | 4158 |
| 22 | 2178 | 2420 | 2662 | 2904 | 3146 | 3388 | 3630 | 3872 | 4114 | 4356 |
| 23 | 2277 | 2530 | 2783 | 3036 | 3289 | 3542 | 3795 | 4048 | 4301 | 4554 |
| 24 | 2376 | 2640 | 2904 | 3168 | 3432 | 3696 | 3960 | 4224 | 4488 | 4752 |
| 25 | 2475 | 2750 | 3025 | 3300 | 3575 | 3850 | 4125 | 4400 | 4675 | 4950 |
| 26 | 2574 | 2860 | 3146 | 3432 | 3718 | 4004 | 4290 | 4576 | 4862 | 5148 |
| 27 | 2673 | 2970 | 3267 | 3564 | 3861 | 4158 | 4455 | 4752 | 5049 | 5346 |
| 28 | 2772 | 3080 | 3388 | 3696 | 4004 | 4312 | 4620 | 4928 | 5236 | 5544 |
| 29 | 2871 | 3190 | 3509 | 3828 | 4147 | 4466 | 4785 | 5104 | 5423 | 5742 |
| 30 | 2970 | 3300 | 3630 | 3960 | 4290 | 4620 | 4950 | 5280 | 5610 | 5940 |
| 31 | 3069 | 3410 | 3751 | 4092 | 4433 | 4774 | 5115 | 5456 | 5797 | 6138 |
| 32 | 3168 | 3520 | 3872 | 4224 | 4576 | 4928 | 5280 | 5632 | 5984 | 6336 |
| 33 | 3267 | 3630 | 3993 | 4356 | 4719 | 5082 | 5445 | 5808 | 6171 | 6534 |
| 34 | 3366 | 3740 | 4114 | 4488 | 4862 | 5236 | 5610 | 5984 | 6358 | 6732 |
| 35 | 3465 | 3850 | 4235 | 4620 | 5005 | 5390 | 5775 | 6160 | 6545 | 6930 |
| 36 | 3564 | 3960 | 4356 | 4752 | 5148 | 5544 | 5940 | 6333 | 6732 | 7128 |
| 37 | 3663 | 4070 | 4477 | 4884 | 5291 | 5698 | 6105 | 6512 | 6919 | 7326 |
| 38 | 3762 | 4180 | 4598 | 5016 | 5434 | 5852 | 6270 | 6688 | 7106 | 7524 |
| 39 | 3861 | 4290 | 4719 | 5148 | 5577 | 6006 | 6435 | 6864 | 7293 | 7722 |
| 40 | 3960 | 4400 | 4840 | 5280 | 5720 | 6160 | 6600 | 7040 | 7480 | 7920 |
| 41 | 4059 | 4510 | 4961 | 5412 | 5863 | 6314 | 6765 | 7216 | 7667 | 8118 |
| 42 | 4158 | 4620 | 5082 | 5544 | 6006 | 6468 | 6930 | 7392 | 7854 | 8316 |
| 43 | 4257 | 4730 | 5203 | 5676 | 6149 | 6622 | 7095 | 7568 | 8041 | 8514 |
| 44 | 4356 | 4840 | 5324 | 5808 | 6292 | 6776 | 7260 | 7744 | 8228 | 8712 |
| 45 | 4455 | 4950 | 5445 | 5940 | 6435 | 6930 | 7425 | 7920 | 8415 | 8910 |
| 46 | 4554 | 5060 | 5566 | 6072 | 6578 | 7084 | 7590 | 8096 | 8602 | 9108 |
| 47 | 4653 | 5170 | 5687 | 6204 | 6721 | 7238 | 7755 | 8272 | 8789 | 9306 |
| 48 | 4752 | 5280 | 5808 | 6336 | 6864 | 7392 | 7920 | 8448 | 8976 | 9504 |
| 49 | 4851 | 5390 | 5929 | 6468 | 7007 | 7546 | 8085 | 8624 | 9163 | 9702 |
| 50 | 4950 | 5500 | 6050 | 6600 | 7150 | 7700 | 8250 | 8800 | 9350 | 9900 |

## TABLE II. *continued.*

### CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 12 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 3 | 6 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 |
| 2 | 6 | 12 | 24 | 48 | 72 | 96 | 120 | 144 | 168 | 192 |
| 3 | 9 | 18 | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 |
| 4 | 12 | 24 | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 |
| 5 | 15 | 30 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 |
| 6 | 18 | 36 | 72 | 144 | 216 | 288 | 360 | 432 | 504 | 576 |
| 7 | 21 | 42 | 84 | 168 | 252 | 336 | 420 | 504 | 588 | 672 |
| 8 | 24 | 48 | 96 | 192 | 288 | 384 | 480 | 576 | 672 | 768 |
| 9 | 27 | 54 | 108 | 216 | 324 | 432 | 540 | 648 | 756 | 864 |
| 10 | 30 | 60 | 120 | 240 | 360 | 480 | 600 | 720 | 840 | 960 |
| 11 | 33 | 66 | 132 | 264 | 396 | 528 | 660 | 792 | 924 | 1056 |
| 12 | 36 | 72 | 144 | 288 | 432 | 576 | 720 | 864 | 1008 | 1152 |
| 13 | 39 | 78 | 156 | 312 | 468 | 624 | 780 | 936 | 1092 | 1248 |
| 14 | 42 | 84 | 168 | 336 | 504 | 672 | 840 | 1008 | 1176 | 1344 |
| 15 | 45 | 90 | 180 | 360 | 540 | 720 | 900 | 1080 | 1260 | 1440 |
| 16 | 48 | 96 | 192 | 384 | 576 | 768 | 960 | 1152 | 1344 | 1536 |
| 17 | 51 | 102 | 204 | 408 | 602 | 816 | 1020 | 1224 | 1428 | 1632 |
| 18 | 54 | 108 | 216 | 432 | 648 | 864 | 1080 | 1296 | 1512 | 1728 |
| 19 | 57 | 114 | 228 | 456 | 684 | 912 | 1140 | 1368 | 1596 | 1824 |
| 20 | 60 | 120 | 240 | 480 | 720 | 960 | 1200 | 1440 | 1680 | 1920 |
| 21 | 63 | 126 | 252 | 504 | 756 | 1008 | 1260 | 1512 | 1764 | 2016 |
| 22 | 66 | 132 | 264 | 528 | 792 | 1056 | 1320 | 1584 | 1848 | 2112 |
| 23 | 69 | 138 | 276 | 552 | 828 | 1104 | 1380 | 1656 | 1932 | 2208 |
| 24 | 72 | 144 | 288 | 576 | 864 | 1152 | 1440 | 1728 | 2016 | 2304 |
| 25 | 75 | 150 | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| 26 | 78 | 156 | 312 | 624 | 936 | 1248 | 1560 | 1872 | 2184 | 2496 |
| 27 | 81 | 162 | 324 | 648 | 972 | 1296 | 1620 | 1944 | 2268 | 2592 |
| 28 | 84 | 168 | 336 | 672 | 1008 | 1344 | 1680 | 2016 | 2352 | 2688 |
| 29 | 87 | 174 | 348 | 696 | 1044 | 1392 | 1740 | 2088 | 2436 | 2784 |
| 30 | 90 | 180 | 360 | 720 | 1080 | 1440 | 1800 | 2160 | 2520 | 2880 |
| 31 | 93 | 186 | 372 | 744 | 1116 | 1488 | 1860 | 2232 | 2604 | 2976 |
| 32 | 96 | 192 | 384 | 768 | 1152 | 1536 | 1920 | 2304 | 2688 | 3072 |
| 33 | 99 | 198 | 396 | 792 | 1188 | 1584 | 1980 | 2376 | 2772 | 3168 |
| 34 | 102 | 204 | 408 | 816 | 1224 | 1632 | 2040 | 2448 | 2856 | 3264 |
| 35 | 105 | 210 | 420 | 840 | 1260 | 1680 | 2100 | 2520 | 2940 | 3360 |
| 36 | 108 | 216 | 432 | 864 | 1296 | 1728 | 2160 | 2592 | 3024 | 3456 |
| 37 | 111 | 222 | 444 | 888 | 1332 | 1776 | 2220 | 2664 | 3108 | 3552 |
| 38 | 114 | 228 | 456 | 912 | 1368 | 1824 | 2280 | 2736 | 3192 | 3648 |
| 39 | 117 | 234 | 468 | 936 | 1404 | 1872 | 2340 | 2808 | 3276 | 3744 |
| 40 | 120 | 240 | 480 | 960 | 1440 | 1920 | 2400 | 2880 | 3360 | 3840 |
| 41 | 123 | 246 | 492 | 984 | 1476 | 1968 | 2460 | 2952 | 3444 | 3936 |
| 42 | 126 | 252 | 504 | 1008 | 1512 | 2016 | 2520 | 3024 | 3528 | 4032 |
| 43 | 129 | 258 | 516 | 1032 | 1548 | 2064 | 2580 | 3096 | 3612 | 4128 |
| 44 | 132 | 264 | 528 | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| 45 | 135 | 270 | 540 | 1080 | 1620 | 2160 | 2700 | 3240 | 3780 | 4320 |
| 46 | 138 | 278 | 552 | 1104 | 1656 | 2208 | 2760 | 3312 | 3864 | 4416 |
| 47 | 141 | 282 | 564 | 1128 | 1692 | 2256 | 2820 | 3384 | 3948 | 4512 |
| 48 | 144 | 288 | 576 | 1152 | 1728 | 2304 | 2880 | 3456 | 4032 | 4608 |
| 49 | 147 | 294 | 588 | 1176 | 1764 | 2352 | 2940 | 3528 | 4116 | 4704 |
| 50 | 150 | 300 | 600 | 1200 | 1800 | 2400 | 3000 | 3600 | 4200 | 4800 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

**Breadth, 12 feet.**

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 108 | 120 | 132 | 144 | 156 | 168 | 180 | 192 | 204 | 216 |
| 2 | 216 | 240 | 264 | 288 | 312 | 336 | 360 | 384 | 408 | 432 |
| 3 | 324 | 360 | 396 | 432 | 468 | 504 | 540 | 576 | 612 | 648 |
| 4 | 432 | 480 | 528 | 576 | 624 | 672 | 720 | 768 | 816 | 864 |
| 5 | 540 | 600 | 660 | 720 | 780 | 840 | 900 | 960 | 1020 | 1080 |
| 6 | 648 | 720 | 792 | 864 | 936 | 1008 | 1080 | 1152 | 1224 | 1296 |
| 7 | 756 | 840 | 924 | 1008 | 1090 | 1176 | 1260 | 1344 | 1428 | 1512 |
| 8 | 864 | 960 | 1056 | 1152 | 1248 | 1344 | 1440 | 1536 | 1632 | 1728 |
| 9 | 972 | 1080 | 1188 | 1296 | 1404 | 1512 | 1620 | 1728 | 1836 | 1944 |
| 10 | 1080 | 1200 | 1320 | 1440 | 1560 | 1680 | 1800 | 1920 | 2040 | 2160 |
| 11 | 1188 | 1320 | 1452 | 1584 | 1716 | 1848 | 1980 | 2112 | 2244 | 2376 |
| 12 | 1296 | 1440 | 1584 | 1728 | 1872 | 2016 | 2160 | 2304 | 2448 | 2592 |
| 13 | 1404 | 1560 | 1716 | 1872 | 2028 | 2184 | 2340 | 2496 | 2652 | 2808 |
| 14 | 1512 | 1680 | 1848 | 2016 | 2184 | 2352 | 2520 | 2688 | 2856 | 3024 |
| 15 | 1620 | 1800 | 2080 | 2160 | 2340 | 2520 | 2700 | 2880 | 3060 | 3240 |
| 16 | 1728 | 1920 | 2212 | 2304 | 2496 | 2688 | 2880 | 3072 | 3264 | 3456 |
| 17 | 1836 | 2040 | 2344 | 2448 | 2652 | 2856 | 3060 | 3264 | 3468 | 3672 |
| 18 | 1944 | 2160 | 2476 | 2592 | 2808 | 3024 | 3240 | 3456 | 3672 | 3888 |
| 19 | 2052 | 2280 | 2508 | 2736 | 2964 | 3192 | 3420 | 3648 | 3876 | 4104 |
| 20 | 2160 | 2400 | 2640 | 2880 | 3120 | 3360 | 3600 | 3840 | 4080 | 4320 |
| 21 | 2268 | 2520 | 2772 | 3024 | 3276 | 3528 | 3780 | 4032 | 4284 | 4536 |
| 22 | 2376 | 2640 | 2904 | 3168 | 3432 | 3696 | 3960 | 4224 | 4488 | 4752 |
| 23 | 2484 | 2760 | 3036 | 3312 | 3588 | 3864 | 4140 | 4416 | 4692 | 4968 |
| 24 | 2592 | 2880 | 3168 | 3456 | 3744 | 4032 | 4320 | 4608 | 4896 | 5184 |
| 25 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 | 5100 | 5400 |
| 26 | 2808 | 3120 | 3432 | 3744 | 4056 | 4368 | 4680 | 4992 | 5304 | 5616 |
| 27 | 2916 | 3240 | 3564 | 3888 | 4212 | 4536 | 4860 | 5184 | 5508 | 5832 |
| 28 | 3024 | 3360 | 3696 | 4032 | 4368 | 4794 | 5040 | 5376 | 5712 | 6048 |
| 29 | 3132 | 3480 | 3828 | 4176 | 4524 | 4872 | 5220 | 5568 | 5916 | 6264 |
| 30 | 3240 | 3600 | 3960 | 4320 | 4680 | 5040 | 5400 | 5760 | 6120 | 6480 |
| 31 | 3348 | 3720 | 4092 | 4644 | 4836 | 5208 | 5580 | 5952 | 6324 | 6696 |
| 32 | 3456 | 3840 | 4224 | 4608 | 4992 | 5376 | 5760 | 6144 | 6528 | 6912 |
| 33 | 3564 | 3960 | 4356 | 4752 | 5148 | 5544 | 5940 | 6336 | 6732 | 7128 |
| 34 | 3672 | 4080 | 4488 | 4896 | 5304 | 5712 | 6120 | 6528 | 6936 | 7344 |
| 35 | 3780 | 4200 | 4620 | 5040 | 5460 | 5880 | 6300 | 6720 | 7140 | 7560 |
| 36 | 3888 | 4320 | 4752 | 5184 | 5616 | 6048 | 6480 | 6912 | 7344 | 7776 |
| 37 | 3996 | 4440 | 4884 | 5328 | 5772 | 6216 | 6660 | 7104 | 7548 | 7992 |
| 38 | 4104 | 4560 | 5016 | 5472 | 5928 | 6384 | 6840 | 7296 | 7752 | 8208 |
| 39 | 4212 | 4680 | 5148 | 5616 | 6084 | 6552 | 7020 | 7488 | 7956 | 8424 |
| 40 | 4320 | 4800 | 5280 | 5760 | 6240 | 6720 | 7200 | 7680 | 8160 | 8640 |
| 41 | 4428 | 4920 | 5412 | 5904 | 6396 | 6888 | 7380 | 7872 | 8364 | 8856 |
| 42 | 4536 | 5040 | 5544 | 6048 | 6552 | 7056 | 7560 | 8064 | 8568 | 9072 |
| 43 | 4644 | 5160 | 5676 | 6192 | 6708 | 7224 | 7740 | 8256 | 8772 | 9288 |
| 44 | 4752 | 5280 | 5808 | 6336 | 6864 | 7392 | 7920 | 8448 | 8976 | 9504 |
| 45 | 4860 | 5400 | 5940 | 6480 | 7020 | 7560 | 8100 | 8640 | 9180 | 9720 |
| 46 | 4968 | 5520 | 6072 | 6624 | 7176 | 7728 | 8280 | 8832 | 9384 | 9936 |
| 47 | 5076 | 5640 | 6204 | 6768 | 7332 | 7896 | 8460 | 9024 | 9588 | 10152 |
| 48 | 5184 | 5760 | 6336 | 6912 | 7488 | 8064 | 8640 | 9216 | 9792 | 10368 |
| 49 | 5292 | 5880 | 6468 | 7056 | 7644 | 8232 | 8820 | 9408 | 9996 | 10584 |
| 50 | 5400 | 6000 | 6600 | 7200 | 7800 | 8400 | 9000 | 9600 | 10200 | 10800 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 13 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 3¼ | 6½ | 13 | 26 | 39 | 52 | 65 | 78 | 91 | 104 |
| 2 | 6½ | 13 | 26 | 52 | 78 | 104 | 130 | 156 | 182 | 208 |
| 3 | 9¾ | 19½ | 39 | 78 | 117 | 156 | 195 | 234 | 273 | 312 |
| 4 | 13 | 26 | 52 | 104 | 156 | 208 | 260 | 312 | 364 | 416 |
| 5 | 16¼ | 32½ | 65 | 130 | 195 | 260 | 325 | 390 | 455 | 520 |
| 6 | 19½ | 39 | 78 | 156 | 234 | 312 | 390 | 468 | 546 | 624 |
| 7 | 22¾ | 45½ | 91 | 182 | 273 | 364 | 455 | 546 | 637 | 728 |
| 8 | 26 | 52 | 104 | 208 | 312 | 416 | 520 | 624 | 728 | 832 |
| 9 | 29¼ | 58½ | 117 | 234 | 351 | 468 | 585 | 702 | 819 | 936 |
| 10 | 32½ | 65 | 130 | 260 | 390 | 520 | 650 | 780 | 910 | 1040 |
| 11 | 35¾ | 71½ | 143 | 286 | 429 | 572 | 715 | 858 | 1001 | 1144 |
| 12 | 39 | 78 | 156 | 312 | 468 | 624 | 780 | 936 | 1092 | 1248 |
| 13 | 42¼ | 84½ | 169 | 338 | 507 | 676 | 845 | 1014 | 1183 | 1352 |
| 14 | 45½ | 91 | 182 | 364 | 546 | 728 | 910 | 1092 | 1274 | 1456 |
| 15 | 48¾ | 97½ | 195 | 390 | 585 | 780 | 975 | 1170 | 1365 | 1560 |
| 16 | 52 | 104 | 208 | 416 | 624 | 832 | 1040 | 1248 | 1456 | 1664 |
| 17 | 55¼ | 110½ | 221 | 442 | 663 | 884 | 1105 | 1326 | 1547 | 1768 |
| 18 | 58½ | 117 | 234 | 468 | 702 | 936 | 1170 | 1404 | 1638 | 1872 |
| 19 | 61¾ | 123½ | 247 | 494 | 741 | 988 | 1235 | 1482 | 1729 | 1976 |
| 20 | 65 | 130 | 260 | 520 | 780 | 1040 | 1300 | 1560 | 1820 | 2080 |
| 21 | 68¼ | 136½ | 273 | 546 | 819 | 1092 | 1365 | 1638 | 1911 | 2184 |
| 22 | 71½ | 143 | 286 | 572 | 858 | 1144 | 1430 | 1716 | 2002 | 2288 |
| 23 | 74¾ | 149½ | 299 | 598 | 897 | 1196 | 1495 | 1794 | 2093 | 2392 |
| 24 | 78 | 156 | 312 | 624 | 936 | 1248 | 1560 | 1872 | 2184 | 2496 |
| 25 | 81¼ | 162½ | 325 | 650 | 975 | 1300 | 1625 | 1950 | 2275 | 2600 |
| 26 | 84½ | 169 | 338 | 676 | 1014 | 1350 | 1690 | 2028 | 2366 | 2704 |
| 27 | 87¾ | 175½ | 351 | 702 | 1053 | 1404 | 1755 | 2106 | 2457 | 2808 |
| 28 | 91 | 182 | 364 | 728 | 1092 | 1456 | 1820 | 2184 | 2548 | 2912 |
| 29 | 94¼ | 188½ | 377 | 754 | 1131 | 1508 | 1885 | 2262 | 2639 | 3016 |
| 30 | 97½ | 195 | 390 | 780 | 1170 | 1560 | 1950 | 2340 | 2730 | 3120 |
| 31 | 100¾ | 201½ | 403 | 806 | 1209 | 1612 | 2015 | 2418 | 2821 | 3224 |
| 32 | 104 | 208 | 416 | 832 | 1248 | 1664 | 2080 | 2496 | 2912 | 3328 |
| 33 | 107¼ | 214½ | 429 | 858 | 1287 | 1716 | 2145 | 2574 | 3003 | 3432 |
| 34 | 110½ | 221 | 442 | 884 | 1326 | 1768 | 2210 | 2652 | 3094 | 3536 |
| 35 | 113¾ | 227½ | 455 | 910 | 1365 | 1820 | 2275 | 2730 | 3185 | 3640 |
| 36 | 117 | 234 | 468 | 936 | 1404 | 1872 | 2340 | 2808 | 3276 | 3744 |
| 37 | 120¼ | 240½ | 481 | 962 | 1443 | 1924 | 2405 | 2886 | 3367 | 3844 |
| 38 | 123½ | 247 | 494 | 988 | 1496 | 1976 | 2470 | 2964 | 3458 | 3952 |
| 39 | 126¾ | 253½ | 507 | 1014 | 1521 | 2028 | 2535 | 3042 | 3549 | 4056 |
| 40 | 130 | 260 | 520 | 1040 | 1560 | 2080 | 2600 | 3120 | 3640 | 4160 |
| 41 | 133¼ | 266½ | 533 | 1066 | 1599 | 2132 | 2665 | 3198 | 3731 | 4264 |
| 42 | 136½ | 273 | 546 | 1092 | 1638 | 2184 | 2730 | 3276 | 3822 | 4368 |
| 43 | 139¾ | 279½ | 559 | 1118 | 1677 | 2236 | 2795 | 3354 | 3913 | 4472 |
| 44 | 143 | 286 | 572 | 1144 | 1716 | 2288 | 2860 | 3432 | 4004 | 4576 |
| 45 | 146¼ | 292½ | 585 | 1170 | 1755 | 2340 | 2925 | 3510 | 4095 | 4680 |
| 46 | 149½ | 299 | 598 | 1196 | 1794 | 2392 | 2990 | 3588 | 4186 | 4784 |
| 47 | 152¾ | 305½ | 611 | 1222 | 1833 | 2444 | 3055 | 3666 | 4277 | 4888 |
| 48 | 156 | 312 | 624 | 1248 | 1872 | 2496 | 3120 | 3744 | 4368 | 4992 |
| 49 | 159¼ | 318½ | 637 | 1274 | 1911 | 2548 | 3185 | 3822 | 4459 | 5096 |
| 50 | 162½ | 325 | 650 | 1300 | 1950 | 2600 | 3250 | 3900 | 4550 | 5200 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 13 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 117 | 130 | 143 | 156 | 169 | 182 | 195 | 208 | 221 | 234 |
| 2 | 234 | 260 | 286 | 312 | 338 | 364 | 390 | 416 | 442 | 468 |
| 3 | 351 | 390 | 429 | 468 | 507 | 546 | 585 | 624 | 663 | 702 |
| 4 | 468 | 520 | 527 | 624 | 676 | 728 | 780 | 832 | 884 | 936 |
| 5 | 585 | 650 | 715 | 780 | 845 | 910 | 975 | 1040 | 1105 | 1170 |
| 6 | 702 | 780 | 858 | 936 | 1014 | 1092 | 1170 | 1248 | 1326 | 1404 |
| 7 | 819 | 910 | 1001 | 1092 | 1183 | 1274 | 1365 | 1456 | 1547 | 1638 |
| 8 | 936 | 1040 | 1144 | 1248 | 1352 | 1456 | 1560 | 1664 | 1768 | 1872 |
| 9 | 1053 | 1170 | 1287 | 1404 | 1521 | 1638 | 1755 | 1872 | 1989 | 2106 |
| 10 | 1170 | 1300 | 1430 | 1560 | 1690 | 1820 | 1950 | 2080 | 2210 | 2340 |
| 11 | 1287 | 1430 | 1573 | 1716 | 1859 | 2002 | 2145 | 2288 | 2431 | 2574 |
| 12 | 1404 | 1560 | 1716 | 1872 | 2028 | 2184 | 2340 | 2496 | 2652 | 2808 |
| 13 | 1521 | 1690 | 1859 | 2028 | 2197 | 2366 | 2535 | 2704 | 2873 | 3042 |
| 14 | 1638 | 1820 | 2002 | 2184 | 2366 | 2548 | 2730 | 2912 | 3094 | 3276 |
| 15 | 1755 | 1950 | 2145 | 2340 | 2535 | 2730 | 2925 | 3120 | 3315 | 3510 |
| 16 | 1872 | 2080 | 2288 | 2496 | 2704 | 2912 | 3120 | 3328 | 3536 | 3744 |
| 17 | 1989 | 2210 | 2431 | 2652 | 2873 | 3094 | 3315 | 3536 | 3757 | 3878 |
| 18 | 2106 | 2340 | 2574 | 2808 | 3042 | 3276 | 3510 | 3744 | 3978 | 4212 |
| 19 | 2223 | 2470 | 2717 | 2964 | 3211 | 3458 | 3705 | 3952 | 4199 | 4446 |
| 20 | 2340 | 2600 | 2860 | 3120 | 3380 | 3640 | 3900 | 4160 | 4420 | 4680 |
| 21 | 2457 | 2730 | 3003 | 3276 | 3549 | 3822 | 4095 | 4368 | 4641 | 4914 |
| 22 | 2574 | 2860 | 3146 | 3432 | 3718 | 4004 | 4290 | 4576 | 4862 | 5148 |
| 23 | 2691 | 2990 | 3289 | 3588 | 3887 | 4186 | 4485 | 4784 | 5083 | 5382 |
| 24 | 2808 | 3120 | 3432 | 3744 | 4056 | 4368 | 4680 | 4992 | 5304 | 5616 |
| 25 | 2925 | 3250 | 3575 | 3900 | 4225 | 4550 | 4875 | 5200 | 5525 | 5850 |
| 26 | 3042 | 3380 | 3718 | 4056 | 4394 | 4732 | 5070 | 5408 | 5746 | 6084 |
| 27 | 3159 | 3510 | 3861 | 4212 | 4563 | 4914 | 5265 | 5616 | 5967 | 6318 |
| 28 | 3276 | 3640 | 4004 | 4368 | 4732 | 5096 | 5460 | 5824 | 6188 | 6552 |
| 29 | 3393 | 3770 | 4147 | 4524 | 4901 | 5278 | 5655 | 6032 | 6409 | 6786 |
| 30 | 3510 | 3900 | 4290 | 4690 | 5070 | 5460 | 5850 | 6240 | 6630 | 7020 |
| 31 | 3627 | 4030 | 4430 | 4836 | 5239 | 5642 | 6045 | 6448 | 6851 | 7254 |
| 32 | 3744 | 4160 | 4576 | 4992 | 5408 | 5824 | 6240 | 6656 | 7072 | 7488 |
| 33 | 3861 | 4290 | 4719 | 5148 | 5577 | 6006 | 6435 | 6864 | 7293 | 7722 |
| 34 | 3978 | 4420 | 4862 | 5304 | 5746 | 6188 | 6630 | 7072 | 7514 | 7956 |
| 35 | 4095 | 4550 | 5005 | 5460 | 5915 | 6370 | 6825 | 7280 | 7735 | 8190 |
| 36 | 4212 | 4680 | 5148 | 5616 | 6084 | 6552 | 7020 | 7488 | 7956 | 8424 |
| 37 | 4329 | 4810 | 5291 | 5772 | 6253 | 6734 | 7215 | 7696 | 8177 | 8658 |
| 38 | 4446 | 4940 | 5434 | 5928 | 6422 | 6916 | 7410 | 7904 | 8398 | 8892 |
| 39 | 4563 | 5070 | 5577 | 6084 | 6591 | 7098 | 7605 | 8112 | 8619 | 9126 |
| 40 | 4680 | 5200 | 5720 | 6240 | 6760 | 7280 | 7800 | 8320 | 8840 | 9360 |
| 41 | 4797 | 5330 | 5863 | 6396 | 6929 | 7462 | 7995 | 8528 | 9061 | 9594 |
| 42 | 4914 | 5460 | 6006 | 6552 | 7098 | 7644 | 8190 | 8736 | 9282 | 9828 |
| 43 | 5031 | 5590 | 6149 | 6708 | 7267 | 7826 | 8385 | 8944 | 9503 | 10062 |
| 44 | 5148 | 5720 | 6292 | 6864 | 7436 | 8008 | 8580 | 9152 | 9724 | 10296 |
| 45 | 5265 | 5850 | 6435 | 7020 | 7605 | 8190 | 8775 | 9360 | 9945 | 10530 |
| 46 | 5382 | 5980 | 6578 | 7176 | 7774 | 8372 | 8970 | 9568 | 10166 | 10764 |
| 47 | 5499 | 6110 | 6721 | 7332 | 7943 | 8554 | 9165 | 9776 | 10387 | 10998 |
| 48 | 5616 | 6240 | 6864 | 7488 | 8112 | 8736 | 9360 | 9984 | 10608 | 11232 |
| 49 | 5733 | 6370 | 7007 | 7644 | 8281 | 8918 | 9555 | 10192 | 10829 | 11466 |
| 50 | 5850 | 6500 | 7150 | 7800 | 8450 | 9100 | 9750 | 10400 | 11050 | 11700 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 14 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 3½ | 7 | 14 | 28 | 42 | 56 | 70 | 84 | 98 | 112 |
| 2 | 7 | 14 | 28 | 56 | 84 | 112 | 140 | 168 | 196 | 224 |
| 3 | 10½ | 21 | 42 | 84 | 126 | 156 | 210 | 252 | 294 | 336 |
| 4 | 14 | 28 | 56 | 112 | 168 | 208 | 280 | 336 | 392 | 448 |
| 5 | 17½ | 35 | 70 | 140 | 210 | 260 | 350 | 420 | 490 | 560 |
| 6 | 21 | 42 | 84 | 168 | 252 | 312 | 420 | 504 | 588 | 672 |
| 7 | 24½ | 49 | 98 | 196 | 294 | 364 | 490 | 588 | 686 | 784 |
| 8 | 28 | 56 | 112 | 224 | 336 | 416 | 560 | 672 | 784 | 896 |
| 9 | 31½ | 63 | 126 | 252 | 378 | 468 | 630 | 756 | 882 | 1008 |
| 10 | 35 | 70 | 140 | 280 | 420 | 520 | 700 | 840 | 980 | 1120 |
| 11 | 38½ | 77 | 154 | 308 | 462 | 572 | 770 | 924 | 1078 | 1232 |
| 12 | 42 | 84 | 168 | 336 | 504 | 624 | 840 | 1008 | 1176 | 1344 |
| 13 | 45½ | 91 | 182 | 364 | 546 | 676 | 910 | 1092 | 1274 | 1456 |
| 14 | 49 | 98 | 196 | 392 | 588 | 728 | 980 | 1176 | 1372 | 1568 |
| 15 | 52½ | 105 | 210 | 420 | 630 | 780 | 1050 | 1260 | 1470 | 1680 |
| 16 | 56 | 112 | 224 | 448 | 672 | 832 | 1120 | 1344 | 1568 | 1792 |
| 17 | 59½ | 119 | 238 | 476 | 714 | 884 | 1190 | 1428 | 1666 | 1904 |
| 18 | 63 | 126 | 252 | 504 | 756 | 936 | 1260 | 1512 | 1764 | 2016 |
| 19 | 66½ | 133 | 266 | 532 | 798 | 988 | 1330 | 1596 | 1862 | 2128 |
| 20 | 70 | 140 | 280 | 560 | 840 | 1040 | 1400 | 1680 | 1960 | 2240 |
| 21 | 73½ | 147 | 294 | 588 | 882 | 1092 | 1470 | 1764 | 2058 | 2352 |
| 22 | 77 | 154 | 308 | 616 | 924 | 1144 | 1540 | 1848 | 2156 | 2264 |
| 23 | 80½ | 161 | 322 | 644 | 966 | 1196 | 1610 | 1932 | 2254 | 2576 |
| 24 | 84 | 168 | 336 | 672 | 1008 | 1248 | 1680 | 2016 | 2352 | 2688 |
| 25 | 87½ | 175 | 350 | 700 | 1050 | 1300 | 1750 | 2100 | 2450 | 2800 |
| 26 | 91 | 182 | 364 | 728 | 1092 | 1352 | 1820 | 2184 | 2548 | 2912 |
| 27 | 94½ | 189 | 378 | 756 | 1134 | 1404 | 1890 | 2268 | 2646 | 3024 |
| 28 | 98 | 196 | 392 | 784 | 1176 | 1456 | 1960 | 2352 | 2744 | 3136 |
| 29 | 101½ | 203 | 406 | 812 | 1218 | 1508 | 2030 | 2436 | 2842 | 3248 |
| 30 | 105 | 210 | 420 | 840 | 1260 | 1560 | 2100 | 2520 | 2940 | 3360 |
| 31 | 108½ | 217 | 434 | 868 | 1302 | 1612 | 2170 | 2640 | 3038 | 3472 |
| 32 | 112 | 224 | 448 | 896 | 1344 | 1664 | 2240 | 2688 | 3136 | 3584 |
| 33 | 115½ | 231 | 462 | 924 | 1386 | 1716 | 2310 | 2772 | 3234 | 3696 |
| 34 | 119 | 238 | 476 | 952 | 1428 | 1768 | 2380 | 2856 | 3332 | 3808 |
| 35 | 122½ | 245 | 490 | 980 | 1470 | 1820 | 2450 | 2940 | 3430 | 3920 |
| 36 | 126 | 252 | 504 | 1008 | 1512 | 1872 | 2520 | 3024 | 3528 | 4032 |
| 37 | 129½ | 259 | 518 | 1036 | 1554 | 1924 | 2590 | 3108 | 3626 | 4144 |
| 38 | 133 | 266 | 532 | 1064 | 1596 | 1976 | 2660 | 3192 | 3724 | 4256 |
| 39 | 136½ | 273 | 546 | 1092 | 1638 | 2028 | 2730 | 3276 | 3822 | 4368 |
| 40 | 140 | 280 | 560 | 1120 | 1680 | 2080 | 2800 | 3360 | 3920 | 4480 |
| 41 | 143½ | 287 | 574 | 1148 | 1722 | 2132 | 2870 | 3444 | 4018 | 4592 |
| 42 | 147 | 294 | 588 | 1176 | 1764 | 2184 | 2940 | 3528 | 4116 | 4704 |
| 43 | 150½ | 301 | 602 | 1204 | 1806 | 2236 | 3010 | 3612 | 4214 | 4816 |
| 44 | 154 | 308 | 616 | 1232 | 1848 | 2288 | 3080 | 3696 | 4312 | 4928 |
| 45 | 157½ | 315 | 630 | 1260 | 1890 | 2340 | 3150 | 3780 | 4410 | 5040 |
| 46 | 161 | 322 | 644 | 1288 | 1932 | 2392 | 3220 | 3864 | 4508 | 5152 |
| 47 | 164½ | 329 | 658 | 1316 | 1974 | 2444 | 3290 | 3948 | 4606 | 5264 |
| 48 | 168 | 336 | 672 | 1344 | 2016 | 2496 | 3360 | 4032 | 4704 | 5376 |
| 49 | 171½ | 343 | 686 | 1472 | 2058 | 2548 | 3430 | 4116 | 4802 | 5488 |
| *50* | *175* | *350* | *700* | *1400* | 2100 | 2600 | 3500 | 4200 | 4900 | 5600 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 14 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 126 | 140 | 154 | 168 | 182 | 196 | 210 | 224 | 238 | 252 |
| 2 | 252 | 280 | 308 | 336 | 364 | 392 | 420 | 448 | 476 | 504 |
| 3 | 378 | 420 | 462 | 504 | 546 | 588 | 630 | 672 | 714 | 756 |
| 4 | 504 | 560 | 616 | 672 | 728 | 784 | 840 | 896 | 952 | 1008 |
| 5 | 630 | 700 | 770 | 840 | 910 | 980 | 1050 | 1120 | 1190 | 1260 |
| 6 | 756 | 840 | 924 | 1008 | 1092 | 1176 | 1260 | 1344 | 1428 | 1512 |
| 7 | 882 | 980 | 1078 | 1176 | 1274 | 1372 | 1470 | 1568 | 1666 | 1764 |
| 8 | 1008 | 1120 | 1232 | 1344 | 1456 | 1568 | 1680 | 1792 | 1904 | 2016 |
| 9 | 1134 | 1260 | 1386 | 1512 | 1638 | 1764 | 1890 | 2016 | 2142 | 2268 |
| 10 | 1260 | 1400 | 1540 | 1680 | 1820 | 1960 | 2100 | 2240 | 2380 | 2520 |
| 11 | 1386 | 1540 | 1694 | 1848 | 2002 | 2156 | 2310 | 2464 | 2618 | 2772 |
| 12 | 1512 | 1680 | 1848 | 2016 | 2184 | 2352 | 2520 | 2688 | 2856 | 3024 |
| 13 | 1638 | 1820 | 2002 | 2184 | 2366 | 2548 | 2730 | 3912 | 3094 | 3276 |
| 14 | 1764 | 1960 | 2156 | 2352 | 2548 | 2744 | 2940 | 3136 | 3332 | 3528 |
| 15 | 1890 | 2100 | 2310 | 2520 | 2730 | 2940 | 3150 | 3360 | 3570 | 3780 |
| 16 | 2016 | 2240 | 2464 | 2688 | 2912 | 3136 | 3360 | 3584 | 3808 | 4032 |
| 17 | 2142 | 2380 | 2618 | 2856 | 3094 | 3332 | 3570 | 3808 | 4046 | 4284 |
| 18 | 2268 | 2520 | 2772 | 3024 | 3276 | 3528 | 3780 | 4032 | 4284 | 4536 |
| 19 | 2394 | 2660 | 2926 | 3192 | 3458 | 3724 | 3990 | 4256 | 4522 | 4788 |
| 20 | 2520 | 2800 | 3080 | 3360 | 3640 | 3920 | 4200 | 4480 | 4760 | 5040 |
| 21 | 2646 | 2940 | 3234 | 3528 | 3822 | 4116 | 4410 | 4704 | 4998 | 5292 |
| 22 | 2772 | 3080 | 3388 | 3696 | 4004 | 4312 | 4620 | 4928 | 5236 | 5544 |
| 23 | 2898 | 3220 | 3542 | 3864 | 4186 | 4508 | 4830 | 5152 | 5474 | 5796 |
| 24 | 3024 | 3360 | 3696 | 4032 | 4368 | 4704 | 5040 | 5376 | 5712 | 6048 |
| 25 | 3150 | 3500 | 3850 | 4200 | 4550 | 4900 | 5250 | 5600 | 5950 | 6300 |
| 26 | 3276 | 3640 | 4004 | 4368 | 4732 | 5096 | 5460 | 5824 | 6188 | 6552 |
| 27 | 3402 | 3780 | 4158 | 4536 | 4914 | 5292 | 5670 | 6048 | 6426 | 6804 |
| 28 | 3528 | 3920 | 4312 | 4704 | 5096 | 5488 | 5880 | 6272 | 6664 | 7056 |
| 29 | 3654 | 4060 | 4466 | 4872 | 5278 | 5684 | 6090 | 6496 | 6902 | 7308 |
| 30 | 3780 | 4200 | 4620 | 5040 | 5460 | 5880 | 6300 | 6720 | 7140 | 7560 |
| 31 | 3906 | 4340 | 4774 | 5208 | 5642 | 6076 | 6510 | 6944 | 7378 | 7812 |
| 32 | 4032 | 4480 | 4928 | 5376 | 5824 | 6272 | 6720 | 7168 | 7616 | 8064 |
| 33 | 4158 | 4620 | 5082 | 5544 | 6006 | 6468 | 6930 | 7392 | 7854 | 8316 |
| 34 | 4284 | 4760 | 5236 | 5712 | 6188 | 6664 | 7140 | 7616 | 8092 | 8568 |
| 35 | 4410 | 4900 | 5390 | 5880 | 6370 | 6860 | 7350 | 7840 | 8330 | 8820 |
| 36 | 4536 | 5040 | 5544 | 6048 | 6552 | 7056 | 7560 | 8064 | 8568 | 9072 |
| 37 | 4662 | 5180 | 5698 | 6216 | 6734 | 7252 | 7770 | 8288 | 8806 | 9324 |
| 38 | 4788 | 5320 | 5852 | 6384 | 6916 | 7448 | 7980 | 8512 | 9044 | 9576 |
| 39 | 4914 | 5460 | 6006 | 6552 | 7098 | 7644 | 8190 | 8736 | 9282 | 9828 |
| 40 | 5040 | 5600 | 6160 | 6720 | 7280 | 7840 | 8400 | 8960 | 9520 | 10080 |
| 41 | 5166 | 5740 | 6314 | 6888 | 7462 | 8036 | 8610 | 9184 | 9758 | 10332 |
| 42 | 5292 | 5880 | 6468 | 7056 | 7644 | 8232 | 8820 | 9408 | 9996 | 10584 |
| 43 | 5418 | 6020 | 6622 | 7224 | 7826 | 8428 | 9030 | 9632 | 10234 | 10836 |
| 44 | 5544 | 6160 | 6776 | 7392 | 8008 | 8624 | 9240 | 9856 | 10472 | 11088 |
| 45 | 5670 | 6300 | 6930 | 7560 | 8190 | 8820 | 9450 | 10080 | 10710 | 11340 |
| 46 | 5796 | 6440 | 7084 | 7728 | 8372 | 9016 | 9660 | 10304 | 10948 | 11592 |
| 47 | 5922 | 6580 | 7238 | 7896 | 8554 | 9212 | 9870 | 10528 | 11186 | 11844 |
| 48 | 6048 | 6720 | 7392 | 8064 | 8736 | 9408 | 10080 | 10752 | 11424 | 12096 |
| 49 | 6174 | 6860 | 7546 | 8232 | 8918 | 9604 | 10290 | 10976 | 11662 | 12348 |
| 50 | 6300 | 7000 | 7700 | 8400 | 9100 | 9800 | 10500 | 11200 | 11900 | 12600 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 15 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 3¾/7 | 7½ | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 |
| 2 | 7⅝ | 15 | 30 | 60 | 90 | 120 | 150 | 180 | 210 | 240 |
| 3 | 11¼ | 22½ | 45 | 90 | 135 | 180 | 225 | 270 | 315 | 360 |
| 4 | 15 | 30 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 |
| 5 | 18¾/7 | 37½ | 75 | 150 | 225 | 300 | 375 | 450 | 525 | 600 |
| 6 | 22½ | 45 | 90 | 180 | 270 | 360 | 450 | 540 | 630 | 720 |
| 7 | 26¼ | 52½ | 105 | 210 | 315 | 420 | 525 | 630 | 735 | 840 |
| 8 | 30 | 60 | 120 | 240 | 360 | 480 | 600 | 720 | 840 | 960 |
| 9 | 33¾/7 | 67½ | 135 | 270 | 405 | 540 | 675 | 810 | 945 | 1080 |
| 10 | 37⅝ | 75 | 150 | 300 | 450 | 600 | 750 | 900 | 1050 | 1200 |
| 11 | 41¼ | 82½ | 165 | 330 | 495 | 660 | 825 | 990 | 1155 | 1320 |
| 12 | 45 | 90 | 180 | 360 | 540 | 720 | 900 | 1080 | 1260 | 1440 |
| 13 | 48¾/7 | 97½ | 195 | 390 | 585 | 780 | 975 | 1170 | 1365 | 1560 |
| 14 | 52½ | 105 | 210 | 420 | 630 | 840 | 1050 | 1260 | 1470 | 1680 |
| 15 | 56¼ | 112½ | 225 | 450 | 675 | 900 | 1125 | 1350 | 1575 | 1800 |
| 16 | 60 | 120 | 240 | 480 | 720 | 960 | 1200 | 1440 | 1680 | 1920 |
| 17 | 63¾/7 | 127½ | 255 | 510 | 765 | 1020 | 1275 | 1530 | 1785 | 2040 |
| 18 | 67⅝ | 135 | 270 | 540 | 810 | 1080 | 1350 | 1620 | 1890 | 2160 |
| 19 | 71¼ | 142½ | 285 | 570 | 855 | 1140 | 1425 | 1710 | 1995 | 2280 |
| 20 | 75 | 150 | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| 21 | 78¾/7 | 157½ | 315 | 630 | 945 | 1260 | 1575 | 1890 | 2205 | 2520 |
| 22 | 82½ | 165 | 330 | 660 | 990 | 1320 | 1650 | 1980 | 2310 | 2640 |
| 23 | 86¼ | 172½ | 345 | 690 | 1035 | 1380 | 1725 | 2070 | 2415 | 2760 |
| 24 | 90 | 180 | 360 | 720 | 1080 | 1440 | 1800 | 2160 | 2520 | 2880 |
| 25 | 93¾/7 | 187½ | 375 | 750 | 1125 | 1500 | 1875 | 2250 | 2625 | 3000 |
| 26 | 97⅝ | 195 | 390 | 780 | 1170 | 1560 | 1950 | 2340 | 2730 | 3120 |
| 27 | 101¼ | 202½ | 405 | 810 | 1215 | 1620 | 2025 | 2430 | 2835 | 3240 |
| 28 | 105 | 210 | 420 | 840 | 1260 | 1680 | 2100 | 2520 | 2940 | 3360 |
| 29 | 108¾/7 | 217½ | 435 | 870 | 1305 | 1740 | 2175 | 2610 | 3045 | 3480 |
| 30 | 112½ | 225 | 450 | 900 | 1350 | 1800 | 2250 | 2700 | 3150 | 3600 |
| 31 | 116¼ | 232½ | 465 | 930 | 1395 | 1860 | 2325 | 2790 | 3255 | 3720 |
| 32 | 120 | 240 | 480 | 960 | 1440 | 1920 | 2400 | 2880 | 3360 | 3840 |
| 33 | 123¾/7 | 247½ | 495 | 990 | 1485 | 1980 | 2475 | 2970 | 3465 | 3960 |
| 34 | 127⅝ | 255 | 510 | 1020 | 1530 | 2040 | 2550 | 3060 | 3570 | 4080 |
| 35 | 131¼ | 262½ | 525 | 1050 | 1575 | 2100 | 2625 | 3150 | 3675 | 4200 |
| 36 | 135 | 270 | 540 | 1080 | 1620 | 2160 | 2700 | 3240 | 3780 | 4320 |
| 37 | 138¾/7 | 277½ | 555 | 1110 | 1665 | 2220 | 2775 | 3330 | 3885 | 4440 |
| 38 | 142½ | 285 | 570 | 1140 | 1710 | 2280 | 2850 | 3420 | 3390 | 4560 |
| 39 | 146¼ | 292½ | 585 | 1170 | 1755 | 2340 | 2925 | 3510 | 4095 | 4680 |
| 40 | 150 | 300 | 600 | 1200 | 1800 | 2400 | 3000 | 3600 | 4200 | 4800 |
| 41 | 153¾/7 | 307½ | 615 | 1230 | 1845 | 2460 | 3075 | 3690 | 4305 | 4920 |
| 42 | 157⅝ | 315 | 630 | 1260 | 1990 | 2520 | 3150 | 3780 | 4410 | 5040 |
| 43 | 161¼ | 322½ | 645 | 1290 | 2035 | 2580 | 3225 | 3870 | 4515 | 5160 |
| 44 | 165 | 330 | 660 | 1320 | 2080 | 2640 | 3300 | 3960 | 4620 | 5280 |
| 45 | 168¾/7 | 337½ | 675 | 1350 | 2125 | 2700 | 3375 | 4050 | 4725 | 5400 |
| 46 | 172½ | 345 | 690 | 1380 | 2170 | 2760 | 3450 | 4140 | 4830 | 5520 |
| 47 | 176¼ | 352½ | 705 | 1410 | 2215 | 2820 | 3525 | 4230 | 4935 | 5640 |
| 48 | 180 | 360 | 720 | 1440 | 2260 | 2880 | 3600 | 4320 | 5040 | 5760 |
| 49 | 183¾/7 | 367½ | 735 | 1470 | 2305 | 2940 | 3675 | 4410 | 5145 | 5880 |
| 50 | 187½ | 375 | 750 | 1500 | 2350 | 3000 | 3750 | 4500 | 5250 | 6000 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 15 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
| 2 | 270 | 300 | 330 | 360 | 390 | 420 | 450 | 480 | 510 | 540 |
| 3 | 405 | 450 | 495 | 540 | 585 | 630 | 675 | 720 | 765 | 810 |
| 4 | 540 | 600 | 660 | 720 | 780 | 840 | 900 | 960 | 1020 | 1080 |
| 5 | 675 | 750 | 825 | 900 | 975 | 1050 | 1125 | 1200 | 1275 | 1350 |
| 6 | 810 | 900 | 990 | 1080 | 1170 | 1260 | 1350 | 1440 | 1530 | 1620 |
| 7 | 945 | 1050 | 1155 | 1260 | 1365 | 1470 | 1575 | 1680 | 1785 | 1890 |
| 8 | 1080 | 1200 | 1320 | 1440 | 1560 | 1680 | 1800 | 1920 | 2040 | 2160 |
| 9 | 1215 | 1350 | 1485 | 1620 | 1755 | 1890 | 2025 | 2160 | 2295 | 2430 |
| 10 | 1350 | 1500 | 1650 | 1800 | 1950 | 2100 | 2250 | 2400 | 2550 | 2700 |
| 11 | 1485 | 1650 | 1815 | 1980 | 2145 | 2310 | 2475 | 2640 | 2805 | 2970 |
| 12 | 1620 | 1800 | 1980 | 2160 | 2340 | 2520 | 2700 | 2880 | 3060 | 3240 |
| 13 | 1755 | 1950 | 2145 | 2340 | 2535 | 2730 | 2925 | 3120 | 3315 | 3510 |
| 14 | 1890 | 2100 | 2310 | 2520 | 2730 | 2940 | 3150 | 3360 | 3570 | 3780 |
| 15 | 2025 | 2250 | 2475 | 2700 | 2925 | 3150 | 3375 | 3600 | 3825 | 4050 |
| 16 | 2160 | 2400 | 2640 | 2880 | 3120 | 3360 | 3600 | 3840 | 4080 | 4320 |
| 17 | 2295 | 2550 | 2805 | 3060 | 3315 | 3570 | 3825 | 4080 | 4335 | 4590 |
| 18 | 2430 | 2700 | 2970 | 3240 | 3510 | 3780 | 4050 | 4320 | 4590 | 4860 |
| 19 | 2565 | 2850 | 3735 | 3420 | 3705 | 3990 | 4275 | 4560 | 4845 | 5130 |
| 20 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 | 5100 | 5400 |
| 21 | 2835 | 3150 | 3465 | 3780 | 4095 | 4410 | 4725 | 5040 | 5355 | 5670 |
| 22 | 2970 | 3300 | 3630 | 3960 | 4290 | 4620 | 4950 | 5280 | 5610 | 5940 |
| 23 | 3105 | 3450 | 3795 | 4140 | 4485 | 4830 | 5175 | 5520 | 5865 | 6210 |
| 24 | 3240 | 3600 | 3960 | 4320 | 4680 | 5040 | 5400 | 5760 | 6120 | 6480 |
| 25 | 3375 | 3750 | 4125 | 4500 | 4875 | 5250 | 5625 | 6000 | 6375 | 6750 |
| 26 | 3510 | 3900 | 4290 | 4680 | 5070 | 5460 | 5850 | 6240 | 6630 | 7020 |
| 27 | 3645 | 4050 | 4455 | 4860 | 5265 | 5670 | 6075 | 5480 | 6885 | 7200 |
| 28 | 3780 | 4200 | 4620 | 5040 | 5460 | 5880 | 6300 | 6720 | 7140 | 7560 |
| 29 | 3915 | 4350 | 4785 | 5220 | 5655 | 6090 | 6525 | 6960 | 7395 | 7830 |
| 30 | 4050 | 4500 | 4950 | 5400 | 5850 | 6300 | 6750 | 7200 | 7650 | 8100 |
| 31 | 4185 | 4650 | 5115 | 5580 | 6045 | 6510 | 6975 | 7440 | 7905 | 8370 |
| 32 | 4320 | 4800 | 5280 | 5760 | 6240 | 6720 | 7200 | 7680 | 8160 | 8640 |
| 33 | 4455 | 4950 | 5445 | 5940 | 6435 | 6930 | 7425 | 7920 | 8415 | 8910 |
| 34 | 4590 | 5100 | 5610 | 6120 | 6630 | 7140 | 7650 | 8160 | 8670 | 9180 |
| 35 | 4725 | 5250 | 5775 | 6300 | 6825 | 7350 | 7875 | 8400 | 8925 | 9450 |
| 36 | 4860 | 5400 | 5940 | 6480 | 7020 | 7560 | 8100 | 8640 | 9180 | 9720 |
| 37 | 4995 | 5550 | 6105 | 6660 | 7215 | 7770 | 8325 | 8880 | 9435 | 9990 |
| 38 | 5130 | 5700 | 6270 | 6840 | 7410 | 7980 | 8550 | 9120 | 9690 | 10260 |
| 39 | 5265 | 5850 | 6435 | 7020 | 7605 | 8190 | 8775 | 9360 | 9945 | 10530 |
| 40 | 5400 | 6000 | 6600 | 7200 | 7800 | 8400 | 9000 | 9600 | 10200 | 10800 |
| 41 | 5535 | 6150 | 6765 | 7380 | 7995 | 8610 | 9225 | 9840 | 10455 | 11070 |
| 42 | 5670 | 6300 | 6930 | 7560 | 8190 | 8820 | 9450 | 10080 | 10710 | 11340 |
| 43 | 5805 | 6450 | 7095 | 7740 | 8385 | 9030 | 9675 | 10320 | 10965 | 11610 |
| 44 | 5940 | 6600 | 7260 | 7920 | 8580 | 9240 | 9900 | 10560 | 11220 | 11880 |
| 45 | 6075 | 6750 | 7245 | 8100 | 8775 | 9450 | 10125 | 10800 | 11475 | 12150 |
| 46 | 6210 | 6900 | 7590 | 8280 | 8970 | 9660 | 10350 | 11040 | 11730 | 12420 |
| 47 | 6345 | 7050 | 7755 | 8460 | 9169 | 9870 | 10575 | 11280 | 11985 | 12690 |
| 48 | 6480 | 7200 | 7920 | 8640 | 9360 | 10080 | 10800 | 11520 | 12240 | 12960 |
| 49 | 6615 | 7350 | 8085 | 8820 | 9555 | 10290 | 11025 | 11760 | 12495 | 13230 |
| 50 | 6750 | 7500 | 8250 | 9000 | 9750 | 10500 | 11250 | 12000 | 12750 | 13500 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

**Breadth, 16 feet.**

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4 | 8 | 16 | 32 | 48 | 64 | 80 | 96 | 112 | 128 |
| 2 | 8 | 16 | 32 | 64 | 96 | 128 | 160 | 192 | 224 | 256 |
| 3 | 12 | 24 | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 |
| 4 | 16 | 32 | 64 | 128 | 192 | 256 | 320 | 384 | 448 | 512 |
| 5 | 20 | 40 | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 |
| 6 | 24 | 48 | 96 | 192 | 288 | 384 | 480 | 576 | 672 | 768 |
| 7 | 28 | 56 | 112 | 224 | 336 | 448 | 560 | 672 | 784 | 896 |
| 8 | 32 | 64 | 128 | 256 | 384 | 512 | 640 | 768 | 896 | 1024 |
| 9 | 36 | 72 | 144 | 288 | 432 | 576 | 720 | 864 | 1008 | 1152 |
| 10 | 40 | 80 | 160 | 320 | 480 | 640 | 800 | 960 | 1120 | 1280 |
| 11 | 44 | 88 | 176 | 352 | 528 | 704 | 880 | 1056 | 1232 | 1408 |
| 12 | 48 | 96 | 192 | 384 | 576 | 768 | 960 | 1152 | 1344 | 1530 |
| 13 | 52 | 104 | 208 | 416 | 624 | 832 | 1040 | 1248 | 1456 | 1664 |
| 14 | 56 | 112 | 224 | 448 | 672 | 896 | 1120 | 1344 | 1568 | 1792 |
| 15 | 60 | 120 | 240 | 480 | 720 | 960 | 1200 | 1440 | 1680 | 1920 |
| 16 | 64 | 128 | 256 | 512 | 768 | 1024 | 1280 | 1536 | 1792 | 2048 |
| 17 | 68 | 136 | 272 | 544 | 816 | 1088 | 1360 | 1632 | 1904 | 2176 |
| 18 | 72 | 144 | 288 | 576 | 864 | 1152 | 1440 | 1728 | 2016 | 2304 |
| 19 | 76 | 152 | 304 | 608 | 912 | 1216 | 1520 | 1824 | 2128 | 2432 |
| 20 | 80 | 160 | 320 | 640 | 960 | 1280 | 1600 | 1920 | 2240 | 2560 |
| 21 | 84 | 168 | 336 | 672 | 1008 | 1344 | 1680 | 2016 | 2352 | 2688 |
| 22 | 88 | 176 | 352 | 704 | 1056 | 1408 | 1760 | 2112 | 2464 | 2816 |
| 23 | 92 | 184 | 368 | 736 | 1104 | 1472 | 1840 | 2208 | 2576 | 2944 |
| 24 | 96 | 192 | 384 | 768 | 1152 | 1536 | 1920 | 2304 | 2688 | 3072 |
| 25 | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 |
| 26 | 104 | 208 | 416 | 832 | 1248 | 1664 | 2080 | 2496 | 2912 | 3328 |
| 27 | 108 | 216 | 432 | 848 | 1296 | 1728 | 2160 | 2592 | 3024 | 3456 |
| 28 | 112 | 224 | 448 | 896 | 1344 | 1792 | 2240 | 2688 | 3136 | 3584 |
| 29 | 116 | 232 | 464 | 928 | 1392 | 1856 | 2320 | 2784 | 3248 | 3712 |
| 30 | 120 | 240 | 480 | 960 | 1440 | 1920 | 2400 | 2880 | 3360 | 3840 |
| 31 | 124 | 248 | 496 | 992 | 1488 | 1984 | 2480 | 2976 | 3472 | 3968 |
| 32 | 128 | 256 | 512 | 1024 | 1536 | 2048 | 2560 | 3072 | 3584 | 4096 |
| 33 | 132 | 264 | 528 | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| 34 | 136 | 272 | 544 | 1088 | 1632 | 2176 | 2720 | 3264 | 3808 | 4352 |
| 35 | 140 | 280 | 560 | 1120 | 1680 | 2240 | 2800 | 3360 | 3920 | 4480 |
| 36 | 144 | 288 | 576 | 1152 | 1728 | 2304 | 2880 | 3456 | 4032 | 4608 |
| 37 | 148 | 296 | 592 | 1184 | 1776 | 2368 | 2960 | 3552 | 4144 | 4736 |
| 38 | 152 | 304 | 608 | 1216 | 1824 | 2432 | 3040 | 3648 | 4256 | 4864 |
| 39 | 156 | 312 | 624 | 1248 | 1872 | 2496 | 3120 | 3744 | 4368 | 4992 |
| 40 | 160 | 320 | 640 | 1280 | 1920 | 2560 | 3200 | 3840 | 4480 | 5120 |
| 41 | 164 | 328 | 656 | 1312 | 1968 | 2624 | 3280 | 3936 | 4592 | 5248 |
| 42 | 168 | 336 | 672 | 1344 | 2016 | 2688 | 3360 | 4032 | 4704 | 5376 |
| 43 | 172 | 344 | 688 | 1376 | 2064 | 2752 | 3440 | 4128 | 4816 | 5504 |
| 44 | 176 | 352 | 704 | 1408 | 2112 | 2816 | 3520 | 4224 | 4928 | 5632 |
| 45 | 180 | 360 | 720 | 1440 | 2160 | 2880 | 3600 | 4320 | 5040 | 5760 |
| 46 | 184 | 368 | 736 | 1472 | 2208 | 2944 | 3680 | 4416 | 5152 | 5888 |
| 47 | 188 | 376 | 752 | 1504 | 2256 | 3008 | 3760 | 4512 | 5264 | 6016 |
| 48 | 192 | 384 | 768 | 1536 | 2304 | 3072 | 3840 | 4608 | 5376 | 6144 |
| 49 | 196 | 392 | 784 | 1568 | 2352 | 3136 | 3920 | 4704 | 5488 | 6272 |
| 50 | 200 | 400 | 800 | 1600 | 2400 | 3200 | 4000 | 4800 | 5600 | 6400 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

**Breadth, 16 f. et.**

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 144 | 160 | 176 | 192 | 208 | 224 | 240 | 256 | 272 | 288 |
| 2 | 288 | 320 | 352 | 384 | 416 | 448 | 480 | 512 | 544 | 576 |
| 3 | 432 | 480 | 528 | 576 | 624 | 672 | 720 | 768 | 816 | 864 |
| 4 | 576 | 640 | 704 | 768 | 832 | 896 | 960 | 1024 | 1088 | 1152 |
| 5 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 | 1280 | 1360 | 1440 |
| 6 | 864 | 960 | 1056 | 1152 | 1248 | 1344 | 1440 | 1536 | 1632 | 1728 |
| 7 | 1008 | 1120 | 1232 | 1344 | 1456 | 1568 | 1680 | 1792 | 1904 | 2016 |
| 8 | 1152 | 1280 | 1408 | 1536 | 1664 | 1792 | 1920 | 2048 | 2176 | 2304 |
| 9 | 1296 | 1440 | 1584 | 1728 | 1872 | 2016 | 2160 | 2204 | 2448 | 2592 |
| 10 | 1440 | 1600 | 1760 | 1920 | 2080 | 2240 | 2400 | 2560 | 2720 | 2880 |
| 11 | 1584 | 1760 | 1936 | 2112 | 2288 | 2464 | 2640 | 2816 | 2992 | 3168 |
| 12 | 1728 | 1920 | 2112 | 2304 | 2496 | 2688 | 2880 | 3072 | 3264 | 3456 |
| 13 | 1872 | 2080 | 2288 | 2496 | 2704 | 2912 | 3120 | 3328 | 3536 | 3744 |
| 14 | 2016 | 2240 | 2464 | 2688 | 2912 | 3136 | 3360 | 3584 | 3808 | 4032 |
| 15 | 2160 | 2400 | 2640 | 2880 | 3120 | 3360 | 3600 | 3840 | 4080 | 4320 |
| 16 | 2304 | 2560 | 2816 | 3072 | 3328 | 3584 | 3840 | 4096 | 4352 | 4608 |
| 17 | 2448 | 2720 | 2992 | 3264 | 3536 | 3808 | 4080 | 4352 | 4624 | 4896 |
| 18 | 2592 | 2880 | 3168 | 3456 | 3744 | 4032 | 4320 | 4608 | 4896 | 5184 |
| 19 | 2736 | 3040 | 3344 | 3648 | 3952 | 4456 | 4560 | 4864 | 5168 | 5472 |
| 20 | 2880 | 3200 | 3520 | 3840 | 4160 | 4480 | 4800 | 5120 | 5440 | 5760 |
| 21 | 3024 | 3360 | 3696 | 4032 | 4368 | 4704 | 5040 | 5376 | 5712 | 6048 |
| 22 | 3168 | 3520 | 3872 | 4224 | 4576 | 4928 | 5280 | 5632 | 5984 | 6336 |
| 23 | 3312 | 3680 | 4048 | 4416 | 4784 | 5152 | 5520 | 5888 | 6256 | 6624 |
| 24 | 3456 | 3840 | 4224 | 4608 | 4992 | 5376 | 5760 | 6144 | 6528 | 6912 |
| 25 | 3600 | 4000 | 4400 | 4800 | 5200 | 5600 | 6000 | 6400 | 6800 | 7200 |
| 26 | 3744 | 4160 | 4576 | 4992 | 5408 | 5824 | 6240 | 6656 | 7072 | 7488 |
| 27 | 3888 | 4320 | 4752 | 5184 | 5616 | 6048 | 6480 | 6912 | 7344 | 7776 |
| 28 | 4032 | 4480 | 4928 | 5376 | 5824 | 6272 | 6720 | 7168 | 7616 | 8064 |
| 29 | 4176 | 4640 | 5104 | 5568 | 6032 | 6496 | 6960 | 7424 | 7888 | 8352 |
| 30 | 4320 | 4800 | 5280 | 5760 | 6240 | 6720 | 7200 | 7680 | 8160 | 8640 |
| 31 | 4464 | 4960 | 5456 | 5920 | 6448 | 6944 | 7440 | 8036 | 8432 | 8928 |
| 32 | 4608 | 5120 | 5632 | 6144 | 6656 | 7168 | 7680 | 8292 | 8704 | 9216 |
| 33 | 4752 | 5280 | 5808 | 6336 | 6864 | 7392 | 7920 | 8548 | 8976 | 9504 |
| 34 | 4896 | 5440 | 5984 | 6528 | 7072 | 7616 | 8160 | 8804 | 9248 | 9792 |
| 35 | 5040 | 5600 | 6160 | 6720 | 7280 | 7840 | 8400 | 9060 | 9520 | 10080 |
| 36 | 5184 | 5760 | 6336 | 6912 | 7488 | 8064 | 8640 | 9316 | 9792 | 10368 |
| 37 | 5328 | 5920 | 6512 | 7104 | 7696 | 8288 | 8880 | 9572 | 10064 | 10656 |
| 38 | 5472 | 6080 | 6688 | 7296 | 7904 | 8512 | 9120 | 9828 | 10336 | 10944 |
| 39 | 5616 | 6240 | 6864 | 7488 | 8112 | 8736 | 9360 | 10084 | 10608 | 11232 |
| 40 | 5760 | 6400 | 7040 | 7680 | 8320 | 8960 | 9600 | 10240 | 10880 | 11520 |
| 41 | 5904 | 6550 | 7216 | 7872 | 8528 | 9184 | 9840 | 10496 | 11152 | 11808 |
| 42 | 6048 | 6720 | 7392 | 8064 | 8736 | 9408 | 10080 | 10752 | 11424 | 12096 |
| 43 | 6192 | 6880 | 7568 | 8256 | 8944 | 9632 | 10320 | 11008 | 11696 | 12384 |
| 44 | 6336 | 7040 | 7744 | 8448 | 9152 | 9856 | 10560 | 11264 | 11968 | 12672 |
| 45 | 6480 | 7200 | 7920 | 8640 | 9360 | 10080 | 10800 | 11520 | 12240 | 12960 |
| 46 | 6624 | 7360 | 8096 | 8832 | 9568 | 10304 | 11040 | 11776 | 12512 | 13248 |
| 47 | 6768 | 7520 | 8272 | 9024 | 9776 | 10528 | 11280 | 12032 | 12784 | 13536 |
| 48 | 6912 | 7680 | 8448 | 9216 | 9984 | 10752 | 11520 | 12288 | 13056 | 13824 |
| 49 | 7056 | 7840 | 8624 | 9408 | 10192 | 10976 | 11760 | 12544 | 13328 | 14112 |
| 50 | 7200 | 8000 | 8800 | 9600 | 10400 | 11200 | 12000 | 12800 | 13600 | 14400 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 7 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4¼ | 8½ | 17 | 34 | 51 | 68 | 85 | 102 | 119 | 136 |
| 2 | 8½ | 17 | 34 | 68 | 102 | 136 | 170 | 204 | 238 | 272 |
| 3 | 12¾ | 25½ | 51 | 102 | 153 | 204 | 255 | 306 | 357 | 408 |
| 4 | 17 | 34 | 68 | 136 | 204 | 272 | 340 | 408 | 476 | 544 |
| 5 | 21¼ | 42½ | 85 | 170 | 255 | 340 | 425 | 510 | 595 | 680 |
| 6 | 25½ | 51 | 102 | 204 | 306 | 408 | 510 | 612 | 714 | 816 |
| 7 | 29¾ | 59½ | 119 | 238 | 357 | 476 | 595 | 714 | 833 | 952 |
| 8 | 34 | 68 | 136 | 272 | 408 | 544 | 680 | 816 | 952 | 1088 |
| 9 | 38¼ | 76½ | 153 | 306 | 459 | 612 | 765 | 918 | 1071 | 1224 |
| 10 | 42½ | 85 | 170 | 340 | 510 | 680 | 850 | 1020 | 1190 | 1360 |
| 11 | 46¾ | 93½ | 187 | 374 | 561 | 748 | 935 | 1122 | 1309 | 1496 |
| 12 | 51 | 102 | 204 | 408 | 612 | 816 | 1020 | 1224 | 1428 | 1632 |
| 13 | 55¼ | 110½ | 221 | 442 | 663 | 884 | 1105 | 1326 | 1547 | 1768 |
| 14 | 59½ | 119 | 238 | 476 | 714 | 952 | 1190 | 1428 | 1666 | 1904 |
| 15 | 63¾ | 127½ | 255 | 510 | 765 | 1020 | 1275 | 1530 | 1785 | 2040 |
| 16 | 68 | 136 | 272 | 544 | 816 | 1088 | 1360 | 1632 | 1904 | 2176 |
| 17 | 72¼ | 144½ | 289 | 578 | 867 | 1156 | 1445 | 1734 | 2023 | 2312 |
| 18 | 76½ | 153 | 306 | 612 | 918 | 1224 | 1530 | 1836 | 2142 | 2448 |
| 19 | 80¾ | 161½ | 323 | 646 | 969 | 1292 | 1615 | 1938 | 2261 | 2584 |
| 20 | 85 | 170 | 340 | 680 | 1020 | 1360 | 1700 | 2040 | 2380 | 2720 |
| 21 | 89¼ | 178½ | 357 | 714 | 1071 | 1428 | 1785 | 2142 | 2499 | 2856 |
| 22 | 93½ | 187 | 374 | 748 | 1122 | 1496 | 1870 | 2244 | 2618 | 2992 |
| 23 | 97¾ | 195½ | 391 | 782 | 1173 | 1564 | 1955 | 2346 | 2737 | 3128 |
| 24 | 102 | 204 | 408 | 816 | 1224 | 1632 | 2040 | 2448 | 2856 | 3264 |
| 25 | 106¼ | 212½ | 425 | 850 | 1275 | 1700 | 2125 | 2550 | 2975 | 3400 |
| 26 | 110½ | 221 | 442 | 884 | 1326 | 1768 | 2210 | 2652 | 3094 | 3536 |
| 27 | 114¾ | 229½ | 459 | 918 | 1377 | 1836 | 2295 | 2754 | 3213 | 3672 |
| 28 | 119 | 238 | 476 | 952 | 1428 | 1904 | 2380 | 2856 | 3332 | 3808 |
| 29 | 123¼ | 246½ | 493 | 986 | 1479 | 1972 | 2465 | 2958 | 3451 | 3944 |
| 30 | 127½ | 255 | 510 | 1020 | 1530 | 2040 | 2550 | 3060 | 3570 | 4080 |
| 31 | 131¾ | 263½ | 527 | 1054 | 1581 | 2108 | 2635 | 3162 | 3689 | 4216 |
| 32 | 136 | 272 | 544 | 1088 | 1632 | 2176 | 2720 | 3264 | 3808 | 4352 |
| 33 | 140¼ | 280½ | 561 | 1122 | 1683 | 2244 | 2805 | 3366 | 3927 | 4488 |
| 34 | 144½ | 289 | 578 | 1156 | 1734 | 2312 | 2890 | 3468 | 4046 | 4624 |
| 35 | 148¾ | 297½ | 595 | 1190 | 1785 | 2380 | 2975 | 3570 | 4165 | 4760 |
| 36 | 153 | 306 | 612 | 1224 | 1836 | 2448 | 3060 | 3672 | 4284 | 4896 |
| 37 | 157¼ | 314½ | 629 | 1258 | 1887 | 2516 | 3145 | 3774 | 4403 | 5032 |
| 38 | 161½ | 323 | 646 | 1292 | 1938 | 2584 | 3230 | 3876 | 4522 | 5168 |
| 39 | 165¾ | 331½ | 663 | 1326 | 1989 | 2652 | 3315 | 3978 | 4641 | 5304 |
| 40 | 170 | 340 | 680 | 1360 | 2040 | 2720 | 3400 | 4080 | 4760 | 5440 |
| 41 | 174¼ | 348½ | 697 | 1394 | 2091 | 2788 | 3485 | 4182 | 4879 | 5576 |
| 42 | 178½ | 357 | 714 | 1428 | 2142 | 2856 | 3570 | 4284 | 4998 | 5712 |
| 43 | 182¾ | 365½ | 731 | 1462 | 2193 | 2924 | 3655 | 4386 | 5117 | 5848 |
| 44 | 187 | 374 | 748 | 1496 | 2244 | 2992 | 3740 | 4488 | 5236 | 5984 |
| 45 | 191¼ | 382½ | 765 | 1530 | 2295 | 3060 | 3825 | 4590 | 5355 | 6120 |
| 46 | 195½ | 391 | 782 | 1564 | 2346 | 3128 | 3910 | 4692 | 5474 | 6256 |
| 47 | 199¾ | 399½ | 799 | 1598 | 2397 | 3196 | 3995 | 4794 | 5593 | 6392 |
| 48 | 204 | 408 | 816 | 1632 | 2448 | 3264 | 4080 | 4896 | 5712 | 6528 |
| 49 | 208¼ | 416½ | 833 | 1666 | 2499 | 3332 | 4165 | 4998 | 5831 | 6664 |
| 50 | 212½ | 425 | 850 | 1700 | 2550 | 3400 | 4250 | 5100 | 5950 | 6800 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 7 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 153 | 170 | 187 | 204 | 221 | 238 | 255 | 272 | 289 | 306 |
| 2 | 306 | 340 | 374 | 408 | 442 | 476 | 510 | 544 | 578 | 612 |
| 3 | 459 | 510 | 561 | 612 | 663 | 714 | 765 | 816 | 867 | 918 |
| 4 | 612 | 680 | 748 | 816 | 884 | 952 | 1020 | 1088 | 1156 | 1224 |
| 5 | 765 | 850 | 935 | 1020 | 1105 | 1190 | 1275 | 1360 | 1445 | 1530 |
| 6 | 918 | 1020 | 1122 | 1224 | 1326 | 1428 | 1530 | 1632 | 1734 | 1836 |
| 7 | 1071 | 1190 | 1309 | 1428 | 1547 | 1666 | 1785 | 1904 | 2023 | 2142 |
| 8 | 1224 | 1360 | 1496 | 1632 | 1768 | 1904 | 2040 | 2176 | 2312 | 2448 |
| 9 | 1377 | 1530 | 1683 | 1836 | 1989 | 2142 | 2295 | 2448 | 2601 | 2754 |
| 10 | 1530 | 1700 | 1870 | 2040 | 2210 | 2380 | 2550 | 2720 | 2890 | 3060 |
| 11 | 1683 | 1870 | 2057 | 2244 | 2431 | 2618 | 2805 | 2992 | 3179 | 3366 |
| 12 | 1836 | 2040 | 2244 | 2448 | 2652 | 2856 | 3060 | 3264 | 3468 | 3672 |
| 13 | 1989 | 2210 | 2431 | 2652 | 2873 | 3094 | 3315 | 3536 | 3757 | 3978 |
| 14 | 2142 | 2380 | 2618 | 2856 | 3094 | 3332 | 3570 | 3808 | 4046 | 4284 |
| 15 | 2295 | 2550 | 2805 | 3060 | 3315 | 3570 | 3825 | 4080 | 4335 | 4590 |
| 16 | 2448 | 2720 | 2992 | 3264 | 3536 | 3808 | 4080 | 4352 | 4624 | 4896 |
| 17 | 2601 | 2890 | 3179 | 3468 | 3757 | 4046 | 4335 | 4624 | 4913 | 5202 |
| 18 | 2754 | 3060 | 3366 | 3672 | 3978 | 4284 | 4590 | 4896 | 5202 | 5508 |
| 19 | 2907 | 3230 | 3553 | 3876 | 4199 | 4522 | 4845 | 5168 | 5491 | 5814 |
| 20 | 3060 | 3400 | 3740 | 4080 | 4420 | 4760 | 5100 | 5440 | 5780 | 6120 |
| 21 | 3213 | 3570 | 3927 | 4284 | 4641 | 4998 | 5355 | 5712 | 6069 | 6426 |
| 22 | 3366 | 3740 | 4114 | 4488 | 4862 | 5236 | 5610 | 5984 | 6358 | 6732 |
| 23 | 3519 | 3910 | 4301 | 4692 | 5083 | 5474 | 5865 | 6256 | 6647 | 7038 |
| 24 | 3672 | 4080 | 4488 | 4896 | 5304 | 5712 | 6120 | 6528 | 6936 | 7344 |
| 25 | 3825 | 4250 | 4675 | 5100 | 5525 | 5950 | 6375 | 6800 | 7225 | 7650 |
| 26 | 3978 | 4420 | 4862 | 5304 | 5746 | 6188 | 6630 | 7072 | 7514 | 7956 |
| 27 | 4131 | 4590 | 5049 | 5508 | 5967 | 6426 | 6885 | 7344 | 7803 | 8262 |
| 28 | 4284 | 4760 | 5236 | 5712 | 6188 | 6664 | 7140 | 7616 | 8092 | 8568 |
| 29 | 4437 | 4930 | 5423 | 5916 | 6409 | 6902 | 7395 | 7888 | 8381 | 8874 |
| 30 | 4590 | 5100 | 5610 | 6120 | 6630 | 7140 | 7650 | 8160 | 8670 | 9180 |
| 31 | 4743 | 5270 | 5797 | 6324 | 6851 | 7378 | 7905 | 8432 | 8959 | 9486 |
| 32 | 4896 | 5440 | 5984 | 6528 | 7072 | 7616 | 8160 | 8704 | 9248 | 9792 |
| 33 | 5049 | 5610 | 6171 | 6732 | 7293 | 7854 | 8415 | 8976 | 9537 | 10098 |
| 34 | 5202 | 5780 | 6358 | 6936 | 7514 | 8092 | 8670 | 9248 | 9826 | 10404 |
| 35 | 5355 | 5950 | 6545 | 7140 | 7735 | 8330 | 8925 | 9520 | 10115 | 10710 |
| 36 | 5508 | 6120 | 6732 | 7344 | 7956 | 8568 | 9180 | 9792 | 10404 | 11016 |
| 37 | 5661 | 6290 | 6919 | 7548 | 8177 | 8806 | 9435 | 10064 | 10693 | 11322 |
| 38 | 5814 | 6460 | 7106 | 7752 | 8398 | 9044 | 9690 | 10336 | 10982 | 11628 |
| 39 | 5967 | 6630 | 7293 | 7956 | 8619 | 9282 | 9945 | 10608 | 11271 | 11934 |
| 40 | 6120 | 6800 | 7480 | 8160 | 8840 | 9520 | 10200 | 10880 | 11560 | 12240 |
| 41 | 6273 | 6970 | 7667 | 8364 | 9061 | 9758 | 10455 | 11152 | 11849 | 12546 |
| 42 | 6426 | 7140 | 7854 | 8568 | 9282 | 9996 | 10710 | 11424 | 12138 | 12852 |
| 43 | 6579 | 7310 | 8041 | 8772 | 9503 | 10234 | 10965 | 11696 | 12427 | 13158 |
| 44 | 6732 | 7480 | 8228 | 8976 | 9724 | 10472 | 11220 | 11968 | 12716 | 13464 |
| 45 | 6885 | 7650 | 8415 | 9180 | 9945 | 10710 | 11475 | 12240 | 13005 | 13770 |
| 46 | 7038 | 7820 | 8602 | 9384 | 10166 | 10948 | 11730 | 12512 | 13294 | 14076 |
| 47 | 7191 | 7990 | 8789 | 9588 | 10387 | 11186 | 11985 | 12784 | 13583 | 14382 |
| 48 | 7344 | 8160 | 8976 | 9792 | 10608 | 11424 | 12240 | 13056 | 13872 | 14688 |
| 49 | 7497 | 8330 | 9163 | 9996 | 10829 | 11662 | 12495 | 13328 | 14161 | 14994 |
| 50 | 7650 | 8500 | 9350 | 10200 | 11050 | 11900 | 12750 | 13600 | 14450 | 15300 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 18 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ½ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4½ | 9 | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 |
| 2 | 9 | 18 | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 |
| 3 | 13½ | 27 | 54 | 108 | 162 | 216 | 270 | 324 | 358 | 432 |
| 4 | 18 | 36 | 72 | 144 | 216 | 288 | 360 | 432 | 504 | 576 |
| 5 | 22½ | 45 | 90 | 180 | 270 | 360 | 450 | 540 | 630 | 720 |
| 6 | 27 | 54 | 108 | 216 | 324 | 432 | 540 | 648 | 756 | 864 |
| 7 | 31½ | 63 | 126 | 252 | 378 | 504 | 630 | 756 | 882 | 1008 |
| 8 | 36 | 72 | 144 | 288 | 432 | 576 | 720 | 864 | 1008 | 1152 |
| 9 | 40½ | 81 | 162 | 324 | 486 | 648 | 810 | 972 | 1134 | 1296 |
| 10 | 45 | 90 | 180 | 360 | 540 | 720 | 900 | 1080 | 1260 | 1440 |
| 11 | 49½ | 99 | 198 | 396 | 594 | 792 | 990 | 1188 | 1386 | 1584 |
| 12 | 54 | 108 | 216 | 432 | 648 | 864 | 1080 | 1296 | 1512 | 1728 |
| 13 | 58½ | 117 | 234 | 468 | 702 | 936 | 1170 | 1404 | 1638 | 1872 |
| 14 | 63 | 126 | 252 | 504 | 756 | 1008 | 1260 | 1512 | 1764 | 2016 |
| 15 | 67½ | 135 | 270 | 540 | 810 | 1080 | 1350 | 1620 | 1890 | 2160 |
| 16 | 72 | 144 | 288 | 576 | 864 | 1152 | 1440 | 1728 | 2016 | 2304 |
| 17 | 76½ | 153 | 306 | 612 | 918 | 1224 | 1530 | 1836 | 2142 | 2448 |
| 18 | 81 | 162 | 324 | 648 | 972 | 1296 | 1620 | 1944 | 2268 | 2592 |
| 19 | 85½ | 171 | 342 | 684 | 1026 | 1368 | 1710 | 2052 | 2394 | 2736 |
| 20 | 90 | 180 | 360 | 720 | 1080 | 1440 | 1800 | 2160 | 2520 | 2880 |
| 21 | 94½ | 189 | 378 | 756 | 1134 | 1512 | 1890 | 2268 | 2646 | 3024 |
| 22 | 99 | 198 | 396 | 792 | 1188 | 1588 | 1980 | 2376 | 2772 | 3168 |
| 23 | 103½ | 207 | 414 | 828 | 1242 | 1656 | 2070 | 2484 | 2898 | 3312 |
| 24 | 108 | 216 | 432 | 864 | 1296 | 1728 | 2160 | 2592 | 3024 | 3456 |
| 25 | 112½ | 225 | 450 | 900 | 1350 | 1800 | 2250 | 2700 | 3150 | 3600 |
| 26 | 117 | 234 | 468 | 936 | 1404 | 1872 | 2340 | 2808 | 3276 | 3744 |
| 27 | 121½ | 243 | 486 | 972 | 1458 | 1944 | 2430 | 2916 | 3402 | 4888 |
| 28 | 126 | 252 | 504 | 1008 | 1512 | 2016 | 2520 | 3024 | 3528 | 4032 |
| 29 | 130½ | 261 | 522 | 1044 | 1566 | 2088 | 2610 | 3132 | 3654 | 4176 |
| 30 | 135 | 270 | 540 | 1080 | 1620 | 2160 | 2700 | 3240 | 3780 | 4320 |
| 31 | 139½ | 279 | 558 | 1116 | 1674 | 2232 | 2790 | 3348 | 3906 | 4464 |
| 32 | 144 | 288 | 576 | 1152 | 1728 | 2304 | 2880 | 3456 | 4032 | 4608 |
| 33 | 148½ | 297 | 596 | 1188 | 1782 | 2376 | 2970 | 3564 | 4158 | 4752 |
| 34 | 153 | 306 | 612 | 1224 | 1836 | 2448 | 3060 | 3672 | 4284 | 4896 |
| 35 | 157½ | 315 | 630 | 1260 | 1890 | 2520 | 3150 | 3780 | 4410 | 5040 |
| 36 | 162 | 324 | 648 | 1296 | 1944 | 2592 | 3240 | 3888 | 4536 | 5184 |
| 37 | 166½ | 333 | 666 | 1332 | 1998 | 2664 | 3330 | 3996 | 4662 | 5328 |
| 38 | 171 | 342 | 684 | 1368 | 2052 | 2736 | 3420 | 4104 | 4788 | 5472 |
| 39 | 175½ | 351 | 702 | 1404 | 2106 | 2808 | 3510 | 4212 | 4914 | 5616 |
| 40 | 180 | 360 | 720 | 1440 | 2160 | 2880 | 3600 | 4320 | 5040 | 5760 |
| 41 | 184½ | 369 | 738 | 1476 | 2214 | 2952 | 3690 | 4428 | 5166 | 5904 |
| 42 | 189 | 378 | 756 | 1512 | 2268 | 3024 | 3780 | 4536 | 5292 | 6048 |
| 43 | 193½ | 387 | 774 | 1548 | 2322 | 3096 | 3870 | 4644 | 5418 | 6192 |
| 44 | 198 | 396 | 792 | 1584 | 2376 | 3168 | 3960 | 4752 | 5544 | 6336 |
| 45 | 202½ | 405 | 810 | 1620 | 2430 | 3240 | 4050 | 4860 | 5670 | 6480 |
| 46 | 207 | 414 | 828 | 1656 | 2484 | 3312 | 4140 | 4968 | 5796 | 6624 |
| 47 | 211½ | 423 | 846 | 1692 | 2538 | 3384 | 4230 | 5076 | 5922 | 6768 |
| 48 | 216 | 432 | 864 | 1728 | 2592 | 3456 | 4320 | 5184 | 6048 | 6912 |
| 49 | 220½ | 441 | 882 | 1764 | 2646 | 3528 | 4410 | 5292 | 6174 | 7056 |
| 50 | 225 | 450 | 900 | 1800 | 2700 | 3600 | 4500 | 5400 | 6300 | 7200 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 18 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17ft. | 18 ft. |
| 1 | 162 | 180 | 198 | 216 | 234 | 252 | 270 | 288 | 306 | 324 |
| 2 | 324 | 360 | 396 | 432 | 468 | 504 | 540 | 576 | 612 | 648 |
| 3 | 486 | 540 | 594 | 648 | 702 | 756 | 810 | 864 | 918 | 972 |
| 4 | 648 | 720 | 792 | 864 | 936 | 1008 | 1080 | 1152 | 1224 | 1296 |
| 5 | 810 | 900 | 990 | 1080 | 1170 | 1260 | 1350 | 1440 | 1530 | 1620 |
| 6 | 972 | 1080 | 1188 | 1296 | 1404 | 1512 | 1620 | 1728 | 1836 | 1944 |
| 7 | 1134 | 1260 | 1386 | 1512 | 1638 | 1764 | 1890 | 2016 | 2142 | 2268 |
| 8 | 1296 | 1440 | 1584 | 1728 | 1872 | 2016 | 2160 | 2304 | 2448 | 2592 |
| 9 | 1458 | 1620 | 1782 | 1944 | 2106 | 2268 | 2430 | 2592 | 2754 | 2916 |
| 10 | 1620 | 1800 | 1980 | 2160 | 2340 | 2520 | 2700 | 2880 | 3060 | 3240 |
| 11 | 1780 | 1980 | 2178 | 2376 | 2574 | 2772 | 2970 | 3168 | 3566 | 3564 |
| 12 | 1944 | 2160 | 2376 | 2592 | 2808 | 3024 | 3240 | 3456 | 3672 | 3888 |
| 13 | 2106 | 2340 | 2574 | 2808 | 3042 | 3276 | 3510 | 3744 | 3978 | 4212 |
| 14 | 2268 | 2520 | 2772 | 3024 | 3276 | 3528 | 3780 | 4032 | 4284 | 4536 |
| 15 | 2430 | 2700 | 2970 | 3240 | 3510 | 3780 | 4050 | 4320 | 4590 | 4860 |
| 16 | 2592 | 2880 | 3168 | 3456 | 3744 | 4032 | 4320 | 4608 | 4896 | 5184 |
| 17 | 2754 | 3060 | 3366 | 3672 | 3978 | 4284 | 4590 | 4896 | 5202 | 5508 |
| 18 | 2916 | 3240 | 3564 | 3888 | 4204 | 4536 | 4860 | 5184 | 5508 | 5832 |
| 19 | 3078 | 3420 | 3762 | 4104 | 4446 | 4788 | 5130 | 5472 | 5814 | 6156 |
| 20 | 3240 | 3600 | 3960 | 4320 | 4680 | 5040 | 5400 | 5760 | 6120 | 6480 |
| 21 | 3402 | 3780 | 4158 | 4536 | 4914 | 5292 | 5670 | 6048 | 6426 | 6804 |
| 22 | 3564 | 3960 | 4356 | 4752 | 5148 | 5544 | 5940 | 6336 | 6732 | 7128 |
| 23 | 3726 | 4140 | 4554 | 4968 | 5382 | 5796 | 6210 | 6624 | 7038 | 7452 |
| 24 | 3888 | 4320 | 4752 | 5184 | 5616 | 6048 | 6480 | 6912 | 7344 | 7776 |
| 25 | 4050 | 4500 | 4950 | 5400 | 5850 | 6300 | 6750 | 7200 | 7650 | 8100 |
| 26 | 4212 | 4680 | 5148 | 5616 | 6084 | 6552 | 7020 | 7488 | 7956 | 8424 |
| 27 | 4374 | 4860 | 5346 | 5832 | 6318 | 6804 | 7290 | 7776 | 8262 | 8748 |
| 28 | 4536 | 5040 | 5544 | 6048 | 6552 | 7056 | 7560 | 8064 | 8568 | 0972 |
| 29 | 4698 | 5220 | 5742 | 6264 | 6786 | 7308 | 7830 | 8352 | 8874 | 9396 |
| 30 | 4860 | 5400 | 5940 | 6480 | 7020 | 7560 | 8100 | 8640 | 9180 | 9720 |
| 31 | 5022 | 5580 | 6138 | 6696 | 7254 | 7812 | 8370 | 8928 | 9486 | 10044 |
| 32 | 5184 | 5760 | 6336 | 6912 | 7488 | 8064 | 8640 | 9216 | 9792 | 10368 |
| 33 | 5346 | 5940 | 6534 | 7128 | 7722 | 8316 | 8910 | 9504 | 10098 | 10692 |
| 34 | 5508 | 6120 | 6732 | 7344 | 7956 | 8568 | 9180 | 9792 | 10404 | 11016 |
| 35 | 5670 | 6300 | 6930 | 7560 | 8190 | 8820 | 9450 | 10080 | 10710 | 11340 |
| 36 | 5832 | 6480 | 7128 | 7776 | 8424 | 9072 | 9720 | 10368 | 11016 | 11664 |
| 37 | 6094 | 6660 | 7326 | 7992 | 8658 | 9324 | 9990 | 10656 | 11322 | 11988 |
| 38 | 6156 | 6840 | 7524 | 8208 | 8892 | 9576 | 10260 | 10944 | 11628 | 12312 |
| 39 | 6318 | 7020 | 7722 | 8424 | 9126 | 9828 | 10530 | 11232 | 11934 | 12636 |
| 40 | 6480 | 7200 | 7920 | 8640 | 9360 | 10080 | 10800 | 11520 | 12240 | 12960 |
| 41 | 6642 | 7380 | 8118 | 8856 | 9594 | 10332 | 11070 | 11880 | 12546 | 13284 |
| 42 | 6804 | 7560 | 8316 | 9072 | 9828 | 10584 | 11340 | 12096 | 12852 | 13608 |
| 43 | 6966 | 7740 | 8514 | 9288 | 10062 | 10836 | 11610 | 12384 | 13158 | 13932 |
| 44 | 7128 | 7920 | 8712 | 9504 | 10296 | 11088 | 11880 | 12672 | 13464 | 14256 |
| 45 | 7290 | 8100 | 8910 | 9720 | 10530 | 11340 | 12150 | 12960 | 13770 | 14580 |
| 46 | 7452 | 8280 | 9108 | 9936 | 10764 | 11592 | 12420 | 13248 | 14076 | 14904 |
| 47 | 7614 | 8460 | 9306 | 10152 | 10998 | 11844 | 12690 | 13536 | 14382 | 15228 |
| 48 | 7776 | 8640 | 9504 | 10368 | 11232 | 12096 | 12960 | 13824 | 14688 | 15552 |
| 49 | 7938 | 8820 | 9702 | 10584 | 11466 | 12348 | 13330 | 14112 | 14994 | 15876 |
| 50 | 8100 | 9000 | 9900 | 10800 | 11700 | 12600 | 13500 | 14400 | 15300 | 16200 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 19 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4¾ | 9½ | 19 | 38 | 57 | 76 | 95 | 114 | 133 | 152 |
| 2 | 9½ | 19 | 38 | 76 | 114 | 152 | 190 | 228 | 266 | 304 |
| 3 | 14¼ | 28½ | 57 | 114 | 171 | 228 | 285 | 342 | 399 | 456 |
| 4 | 19 | 38 | 76 | 152 | 228 | 304 | 380 | 456 | 532 | 608 |
| 5 | 23¾ | 47½ | 95 | 190 | 285 | 380 | 475 | 570 | 665 | 760 |
| 6 | 28½ | 57 | 114 | 228 | 342 | 456 | 570 | 684 | 798 | 912 |
| 7 | 33¼ | 66½ | 133 | 266 | 399 | 532 | 665 | 798 | 931 | 1064 |
| 8 | 38 | 76 | 152 | 304 | 456 | 608 | 760 | 912 | 1064 | 1216 |
| 9 | 42¾ | 85½ | 171 | 342 | 513 | 684 | 855 | 1026 | 1197 | 1368 |
| 10 | 47½ | 95 | 190 | 380 | 570 | 760 | 950 | 1140 | 1330 | 1520 |
| 11 | 52¼ | 104½ | 209 | 418 | 627 | 836 | 1045 | 1254 | 1463 | 1672 |
| 12 | 57 | 114 | 228 | 456 | 684 | 912 | 1140 | 1368 | 1596 | 1824 |
| 13 | 61¾ | 123½ | 247 | 494 | 741 | 988 | 1235 | 1482 | 1729 | 1976 |
| 14 | 66½ | 133 | 266 | 532 | 798 | 1064 | 1330 | 1596 | 1862 | 2128 |
| 15 | 71¼ | 142½ | 285 | 570 | 855 | 1140 | 1425 | 1710 | 1995 | 2280 |
| 16 | 76 | 152 | 304 | 608 | 912 | 1216 | 1520 | 1824 | 2128 | 2432 |
| 17 | 80¾ | 161½ | 323 | 646 | 969 | 1292 | 1615 | 1938 | 2261 | 2584 |
| 18 | 85½ | 171 | 342 | 684 | 1026 | 1368 | 1710 | 2052 | 2394 | 2736 |
| 19 | 90¼ | 180½ | 361 | 722 | 1083 | 1444 | 1805 | 2166 | 2527 | 2888 |
| 20 | 95 | 190 | 380 | 760 | 1140 | 1520 | 1900 | 2280 | 2660 | 3040 |
| 21 | 99¾ | 199½ | 399 | 798 | 1197 | 1596 | 1995 | 2394 | 2793 | 3192 |
| 22 | 104½ | 209 | 418 | 836 | 1254 | 1672 | 2090 | 2508 | 2926 | 3344 |
| 23 | 109¼ | 218½ | 437 | 874 | 1311 | 1748 | 2185 | 2622 | 3059 | 3496 |
| 24 | 114 | 228 | 456 | 912 | 1368 | 1824 | 2280 | 2736 | 3192 | 3648 |
| 25 | 118¾ | 237½ | 475 | 950 | 1425 | 1900 | 2375 | 2850 | 3325 | 3800 |
| 26 | 123½ | 247 | 494 | 988 | 1482 | 1976 | 2470 | 2964 | 3458 | 3952 |
| 27 | 128¼ | 256½ | 513 | 1026 | 1539 | 2052 | 2565 | 3078 | 3591 | 4104 |
| 28 | 133 | 266 | 532 | 1064 | 1596 | 2128 | 2660 | 3192 | 3724 | 4256 |
| 29 | 137¾ | 275½ | 551 | 1102 | 1653 | 2204 | 2755 | 3306 | 3857 | 4408 |
| 30 | 142½ | 285 | 570 | 1140 | 1710 | 2280 | 2850 | 3420 | 3990 | 4560 |
| 31 | 147¼ | 294½ | 589 | 1178 | 1767 | 2356 | 2945 | 3534 | 4123 | 4712 |
| 32 | 152 | 304 | 608 | 1216 | 1824 | 2432 | 3040 | 3648 | 4256 | 4864 |
| 33 | 156¾ | 313½ | 627 | 1254 | 1881 | 2508 | 3135 | 3762 | 4389 | 5016 |
| 34 | 161½ | 323 | 646 | 1292 | 1938 | 2584 | 3230 | 3876 | 4522 | 5168 |
| 35 | 166¼ | 332½ | 665 | 1330 | 1995 | 2660 | 3325 | 3990 | 4655 | 5320 |
| 36 | 171 | 342 | 684 | 1368 | 2052 | 2736 | 3420 | 4104 | 4788 | 5472 |
| 37 | 175¾ | 351½ | 703 | 1406 | 2109 | 2812 | 3515 | 4218 | 4921 | 5624 |
| 38 | 180½ | 361 | 722 | 1444 | 2166 | 2888 | 3610 | 4332 | 5054 | 5776 |
| 39 | 185¼ | 370½ | 741 | 1482 | 2223 | 2964 | 3705 | 4446 | 5187 | 5928 |
| 40 | 190 | 380 | 760 | 1520 | 2280 | 3040 | 3800 | 4560 | 5320 | 6080 |
| 41 | 194¾ | 389½ | 779 | 1558 | 2337 | 3116 | 3895 | 4674 | 5453 | 6232 |
| 42 | 199½ | 399 | 798 | 1596 | 2394 | 3192 | 3990 | 4788 | 5586 | 6384 |
| 43 | 204¼ | 408½ | 817 | 1634 | 2451 | 3268 | 4085 | 4902 | 5719 | 6536 |
| 44 | 209 | 418 | 836 | 1672 | 2508 | 3344 | 4180 | 5016 | 5852 | 6688 |
| 45 | 213¾ | 427½ | 855 | 1710 | 2565 | 3420 | 4275 | 5130 | 5985 | 6840 |
| 46 | 218½ | 437 | 874 | 1748 | 2622 | 3496 | 4370 | 5244 | 6118 | 6992 |
| 47 | 223¼ | 446½ | 893 | 1786 | 2679 | 3572 | 4465 | 5358 | 6251 | 7144 |
| 48 | 228 | 456 | 912 | 1824 | 2736 | 3648 | 4560 | 5472 | 6384 | 7296 |
| *49* | *232¾* | *465½* | *931* | *1862* | *2793* | *3724* | *4655* | *5586* | *6517* | *7448* |
| *50* | *237½* | *475* | *950* | *1900* | *2850* | *3800* | *4750* | *5700* | *6650* | *7600* |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 19 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 171 | 190 | 209 | 228 | 247 | 266 | 285 | 304 | 323 | 342 |
| 2 | 342 | 380 | 418 | 456 | 494 | 532 | 570 | 608 | 646 | 684 |
| 3 | 513 | 570 | 627 | 684 | 741 | 798 | 855 | 912 | 969 | 1026 |
| 4 | 684 | 760 | 836 | 912 | 988 | 1064 | 1140 | 1216 | 1292 | 1368 |
| 5 | 855 | 950 | 1045 | 1140 | 1235 | 1330 | 1425 | 1520 | 1615 | 1710 |
| 6 | 1026 | 1140 | 1254 | 1368 | 1482 | 1596 | 1710 | 1824 | 1938 | 2052 |
| 7 | 1197 | 1330 | 1463 | 1596 | 1729 | 1862 | 1995 | 2128 | 2261 | 2394 |
| 8 | 1368 | 1520 | 1672 | 1824 | 1976 | 2128 | 2280 | 2432 | 2584 | 2736 |
| 9 | 1539 | 1710 | 1881 | 2052 | 2223 | 2394 | 2565 | 2736 | 2907 | 3078 |
| 10 | 1710 | 1900 | 2090 | 2280 | 2470 | 2660 | 2850 | 3040 | 3230 | 3420 |
| 11 | 1881 | 2090 | 2299 | 2508 | 2717 | 2926 | 3135 | 3344 | 3553 | 3762 |
| 12 | 2052 | 2280 | 2508 | 2736 | 2964 | 3192 | 3420 | 3648 | 3876 | 4104 |
| 13 | 2223 | 2470 | 2717 | 2964 | 3211 | 3458 | 3705 | 4952 | 4199 | 4446 |
| 14 | 2394 | 2660 | 2926 | 3192 | 3458 | 3724 | 3990 | 4256 | 4522 | 4788 |
| 15 | 2565 | 2850 | 3135 | 3420 | 3705 | 3990 | 4275 | 4560 | 4845 | 5130 |
| 16 | 2736 | 3040 | 3344 | 3648 | 3952 | 4256 | 4560 | 4864 | 5168 | 5472 |
| 17 | 2907 | 3230 | 3553 | 3876 | 4199 | 4522 | 4845 | 5168 | 5491 | 5814 |
| 18 | 3078 | 3420 | 3762 | 4104 | 4446 | 4788 | 5130 | 5472 | 5814 | 6156 |
| 19 | 3249 | 3610 | 3971 | 4332 | 4693 | 5054 | 5415 | 5776 | 6137 | 6498 |
| 20 | 3420 | 3800 | 4180 | 4560 | 4940 | 5320 | 5700 | 6880 | 6460 | 6840 |
| 21 | 3591 | 3990 | 4389 | 4788 | 5187 | 5586 | 5985 | 6384 | 6783 | 7182 |
| 22 | 3762 | 4180 | 4598 | 5016 | 5434 | 5852 | 6270 | 6688 | 7106 | 7524 |
| 23 | 3933 | 4370 | 4807 | 5244 | 5681 | 6118 | 6555 | 6992 | 7429 | 7866 |
| 24 | 4104 | 4560 | 5016 | 5472 | 5928 | 6384 | 6840 | 7296 | 7752 | 8208 |
| 25 | 4275 | 4750 | 5225 | 5700 | 6175 | 6650 | 7125 | 7600 | 8075 | 8550 |
| 26 | 4446 | 4940 | 5434 | 5928 | 6422 | 6916 | 7410 | 7904 | 8398 | 8892 |
| 27 | 4617 | 5130 | 5643 | 6156 | 6669 | 7182 | 7695 | 8208 | 8721 | 9234 |
| 28 | 4788 | 5320 | 5852 | 6384 | 6916 | 7448 | 7980 | 8512 | 9044 | 9576 |
| 29 | 4959 | 5510 | 6061 | 6612 | 7163 | 7714 | 8265 | 8816 | 9367 | 9918 |
| 30 | 5130 | 5700 | 6270 | 6840 | 7410 | 7980 | 8550 | 9120 | 9690 | 10260 |
| 31 | 5301 | 5890 | 6479 | 7068 | 7657 | 8246 | 8835 | 9424 | 10013 | 10602 |
| 32 | 5472 | 6080 | 6688 | 7296 | 7904 | 8512 | 9120 | 9728 | 10336 | 10944 |
| 33 | 5643 | 6270 | 6897 | 7524 | 8151 | 8778 | 9405 | 10032 | 10659 | 11286 |
| 34 | 5814 | 6460 | 7106 | 7752 | 8398 | 9044 | 9690 | 10336 | 10982 | 11628 |
| 35 | 5985 | 6650 | 7315 | 7980 | 8645 | 9310 | 9975 | 10640 | 11305 | 11970 |
| 36 | 6156 | 6840 | 7524 | 8208 | 8892 | 9576 | 10260 | 10944 | 11628 | 12312 |
| 37 | 6327 | 7030 | 7733 | 8436 | 9139 | 9842 | 10545 | 11248 | 11951 | 12654 |
| 38 | 6498 | 7220 | 7942 | 8664 | 9386 | 10108 | 10830 | 11552 | 12274 | 12996 |
| 39 | 6669 | 7410 | 8151 | 8892 | 9633 | 10374 | 11115 | 11856 | 12597 | 13338 |
| 40 | 6840 | 7600 | 8360 | 9120 | 9880 | 10640 | 11400 | 12160 | 12920 | 13680 |
| 41 | 7011 | 7790 | 8569 | 9348 | 10127 | 10906 | 11685 | 12464 | 13243 | 14022 |
| 42 | 7182 | 7980 | 8778 | 9576 | 10374 | 11172 | 11970 | 12768 | 13566 | 14364 |
| 43 | 7353 | 8170 | 8987 | 9804 | 10621 | 11438 | 12255 | 13072 | 13889 | 14706 |
| 44 | 7524 | 8360 | 9196 | 10032 | 10868 | 11704 | 12540 | 13376 | 14212 | 15048 |
| 45 | 7695 | 8550 | 9405 | 10260 | 11115 | 11970 | 12825 | 13680 | 14535 | 15390 |
| 46 | 7866 | 8740 | 9614 | 10488 | 11362 | 12236 | 13110 | 13984 | 14858 | 15732 |
| 47 | 8037 | 8930 | 9823 | 10716 | 11609 | 12502 | 13395 | 14288 | 15181 | 16074 |
| 48 | 8208 | 9120 | 10032 | 10944 | 11856 | 12768 | 13680 | 14592 | 15504 | 16416 |
| 49 | 8379 | 9310 | 10241 | 11172 | 12103 | 13034 | 13965 | 14896 | 15827 | 16758 |
| 50 | 8550 | 9500 | 10450 | 11400 | 12350 | 13300 | 14250 | 15200 | 16150 | 17100 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 9 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4¾ | 9½ | 19 | 38 | 57 | 76 | 95 | 114 | 133 | 152 |
| 2 | 9½ | 19 | 38 | 76 | 114 | 152 | 190 | 228 | 266 | 304 |
| 3 | 14¼ | 28½ | 57 | 114 | 171 | 228 | 285 | 342 | 399 | 456 |
| 4 | 19 | 38 | 76 | 152 | 228 | 304 | 380 | 456 | 532 | 608 |
| 5 | 23¾ | 47½ | 95 | 190 | 285 | 380 | 475 | 570 | 665 | 760 |
| 6 | 28½ | 57 | 114 | 228 | 342 | 456 | 570 | 684 | 798 | 912 |
| 7 | 33¼ | 66½ | 133 | 266 | 399 | 532 | 665 | 798 | 931 | 1064 |
| 8 | 38 | 76 | 152 | 304 | 456 | 608 | 760 | 912 | 1064 | 1216 |
| 9 | 42¾ | 85½ | 171 | 342 | 513 | 684 | 855 | 1026 | 1197 | 1368 |
| 10 | 47½ | 95 | 190 | 380 | 570 | 760 | 950 | 1140 | 1330 | 1520 |
| 11 | 52¼ | 104½ | 209 | 418 | 627 | 836 | 1045 | 1254 | 1463 | 1672 |
| 12 | 57 | 114 | 228 | 456 | 684 | 912 | 1140 | 1368 | 1596 | 1824 |
| 13 | 61¾ | 123½ | 247 | 494 | 741 | 988 | 1235 | 1482 | 1729 | 1976 |
| 14 | 66½ | 133 | 266 | 532 | 798 | 1064 | 1330 | 1596 | 1862 | 2128 |
| 15 | 71¼ | 142½ | 285 | 570 | 855 | 1140 | 1425 | 1710 | 1995 | 2280 |
| 16 | 76 | 152 | 304 | 608 | 912 | 1216 | 1520 | 1824 | 2128 | 2432 |
| 17 | 80¾ | 161½ | 323 | 646 | 969 | 1292 | 1615 | 1938 | 2261 | 2584 |
| 18 | 85½ | 171 | 342 | 684 | 1026 | 1368 | 1710 | 2052 | 2394 | 2736 |
| 19 | 90¼ | 180½ | 361 | 722 | 1083 | 1444 | 1805 | 2166 | 2527 | 2888 |
| 20 | 95 | 190 | 380 | 760 | 1140 | 1520 | 1900 | 2280 | 2660 | 3040 |
| 21 | 99¾ | 199½ | 399 | 798 | 1197 | 1596 | 1995 | 2394 | 2793 | 3192 |
| 22 | 104½ | 209 | 418 | 836 | 1254 | 1672 | 2090 | 2508 | 2926 | 3344 |
| 23 | 109¼ | 218½ | 437 | 874 | 1311 | 1748 | 2185 | 2622 | 3059 | 3496 |
| 24 | 114 | 228 | 456 | 912 | 1368 | 1824 | 2280 | 2736 | 3192 | 3648 |
| 25 | 118¾ | 237½ | 475 | 950 | 1425 | 1900 | 2375 | 2850 | 3325 | 3800 |
| 26 | 123½ | 247 | 494 | 988 | 1482 | 1976 | 2470 | 2964 | 3458 | 3952 |
| 27 | 128¼ | 256½ | 513 | 1026 | 1539 | 2052 | 2565 | 3078 | 3591 | 4104 |
| 28 | 133 | 266 | 532 | 1064 | 1596 | 2128 | 2660 | 3192 | 3724 | 4256 |
| 29 | 137¾ | 275½ | 551 | 1102 | 1653 | 2204 | 2755 | 3306 | 3857 | 4408 |
| 30 | 142½ | 285 | 570 | 1140 | 1710 | 2280 | 2850 | 3420 | 3990 | 4560 |
| 31 | 147¼ | 294½ | 589 | 1178 | 1767 | 2356 | 2945 | 3534 | 4123 | 4712 |
| 32 | 152 | 304 | 608 | 1216 | 1824 | 2432 | 3040 | 3648 | 4256 | 4864 |
| 33 | 156¾ | 313½ | 627 | 1254 | 1881 | 2508 | 3135 | 3762 | 4389 | 5016 |
| 34 | 161½ | 323 | 646 | 1292 | 1938 | 2584 | 3230 | 3876 | 4522 | 5168 |
| 35 | 166¼ | 332½ | 665 | 1330 | 1995 | 2660 | 3325 | 3990 | 4655 | 5320 |
| 36 | 171 | 342 | 684 | 1368 | 2052 | 2736 | 3420 | 4104 | 4788 | 5472 |
| 37 | 175¾ | 351½ | 703 | 1406 | 2109 | 2812 | 3515 | 4218 | 4921 | 5624 |
| 38 | 180½ | 361 | 722 | 1444 | 2166 | 2888 | 3610 | 4332 | 5054 | 5776 |
| 39 | 185¼ | 370½ | 741 | 1482 | 2223 | 2964 | 3705 | 4446 | 5187 | 5928 |
| 40 | 190 | 380 | 760 | 1520 | 2280 | 3040 | 3800 | 4560 | 5320 | 6080 |
| 41 | 194¾ | 389½ | 779 | 1558 | 2337 | 3116 | 3895 | 4674 | 5453 | 6232 |
| 42 | 199½ | 399 | 798 | 1596 | 2394 | 3192 | 3990 | 4788 | 5586 | 6384 |
| 43 | 204¼ | 408½ | 817 | 1634 | 2451 | 3268 | 4085 | 4902 | 5719 | 6536 |
| 44 | 209 | 418 | 836 | 1672 | 2508 | 3344 | 4180 | 5016 | 5852 | 6688 |
| 45 | 213¾ | 427½ | 855 | 1710 | 2565 | 3420 | 4275 | 5130 | 5985 | 6840 |
| 46 | 218½ | 437 | 874 | 1748 | 2622 | 3496 | 4370 | 5244 | 6118 | 6992 |
| 47 | 223¼ | 446½ | 893 | 1786 | 2679 | 3572 | 4465 | 5358 | 6251 | 7144 |
| 48 | 228 | 456 | 912 | 1824 | 2736 | 3648 | 4560 | 5472 | 6384 | 7296 |
| 49 | 232¾ | 465½ | 931 | 1862 | 2793 | 3724 | 4655 | 5586 | 6517 | 7448 |
| 50 | 237½ | 475 | 950 | 1900 | 2850 | 3800 | 4750 | 5700 | 6650 | 7600 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

**Breadth, 19 feet.**

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 171 | 190 | 209 | 228 | 247 | 266 | 285 | 304 | 323 | 342 |
| 2 | 342 | 380 | 418 | 456 | 494 | 532 | 570 | 608 | 646 | 684 |
| 3 | 513 | 570 | 627 | 684 | 741 | 798 | 855 | 912 | 969 | 1026 |
| 4 | 684 | 760 | 836 | 912 | 988 | 1064 | 1140 | 1216 | 1292 | 1368 |
| 5 | 855 | 950 | 1045 | 1140 | 1235 | 1330 | 1425 | 1520 | 1615 | 1710 |
| 6 | 1026 | 1140 | 1254 | 1368 | 1482 | 1596 | 1710 | 1824 | 1938 | 2052 |
| 7 | 1197 | 1330 | 1463 | 1596 | 1729 | 1862 | 1995 | 2128 | 2261 | 2394 |
| 8 | 1368 | 1520 | 1672 | 1824 | 1976 | 2128 | 2280 | 2432 | 2584 | 2736 |
| 9 | 1539 | 1710 | 1881 | 2052 | 2223 | 2394 | 2565 | 2736 | 2907 | 3078 |
| 10 | 1710 | 1900 | 2090 | 2280 | 2470 | 2660 | 2850 | 3040 | 3230 | 3420 |
| 11 | 1881 | 2090 | 2299 | 2508 | 2717 | 2926 | 3135 | 3344 | 3553 | 3762 |
| 12 | 2052 | 2280 | 2508 | 2736 | 2964 | 3192 | 3420 | 3648 | 3876 | 4104 |
| 13 | 2223 | 2470 | 2717 | 2964 | 3211 | 3458 | 3705 | 4952 | 4199 | 4446 |
| 14 | 2394 | 2660 | 2926 | 3192 | 3458 | 3724 | 3990 | 4256 | 4522 | 4788 |
| 15 | 2565 | 2850 | 3135 | 3420 | 3705 | 3990 | 4275 | 4560 | 4845 | 5130 |
| 16 | 2736 | 3040 | 3344 | 3648 | 3952 | 4256 | 4560 | 4864 | 5168 | 5472 |
| 17 | 2907 | 3230 | 3553 | 3876 | 4199 | 4522 | 4845 | 5168 | 5491 | 5814 |
| 18 | 3078 | 3420 | 3762 | 4104 | 4446 | 4788 | 5130 | 5472 | 5814 | 6156 |
| 19 | 3249 | 3610 | 3971 | 4332 | 4693 | 5054 | 5415 | 5776 | 6137 | 6498 |
| 20 | 3420 | 3800 | 4180 | 4560 | 4940 | 5320 | 5700 | 6080 | 6460 | 6840 |
| 21 | 3591 | 3990 | 4389 | 4788 | 5187 | 5586 | 5985 | 6384 | 6783 | 7182 |
| 22 | 3762 | 4180 | 4598 | 5016 | 5434 | 5852 | 6270 | 6688 | 7106 | 7524 |
| 23 | 3933 | 4370 | 4807 | 5244 | 5681 | 6118 | 6555 | 6992 | 7429 | 7866 |
| 24 | 4104 | 4560 | 5016 | 5472 | 5928 | 6384 | 6840 | 7296 | 7752 | 8208 |
| 25 | 4275 | 4750 | 5225 | 5700 | 6175 | 6650 | 7125 | 7600 | 8075 | 8550 |
| 26 | 4446 | 4940 | 5434 | 5928 | 6422 | 6916 | 7410 | 7904 | 8398 | 8892 |
| 27 | 4617 | 5130 | 5643 | 6156 | 6669 | 7182 | 7695 | 8208 | 8721 | 9234 |
| 28 | 4788 | 5320 | 5852 | 6384 | 6916 | 7448 | 7980 | 8512 | 9044 | 9576 |
| 29 | 4959 | 5510 | 6061 | 6612 | 7163 | 7714 | 8265 | 8816 | 9367 | 9918 |
| 30 | 5130 | 5700 | 6270 | 6840 | 7410 | 7980 | 8550 | 9120 | 9690 | 10260 |
| 31 | 5301 | 5890 | 6479 | 7068 | 7657 | 8246 | 8835 | 9424 | 10013 | 10602 |
| 32 | 5472 | 6080 | 6688 | 7296 | 7904 | 8512 | 9120 | 9728 | 10336 | 10944 |
| 33 | 5643 | 6270 | 6897 | 7524 | 8151 | 8778 | 9405 | 10032 | 10659 | 11286 |
| 34 | 5814 | 6460 | 7106 | 7752 | 8398 | 9044 | 9690 | 10336 | 10982 | 11628 |
| 35 | 5985 | 6650 | 7315 | 7980 | 8645 | 9310 | 9975 | 10640 | 11305 | 11970 |
| 36 | 6156 | 6840 | 7524 | 8208 | 8892 | 9576 | 10260 | 10944 | 11628 | 12312 |
| 37 | 6327 | 7030 | 7733 | 8436 | 9139 | 9842 | 10545 | 11248 | 11951 | 12654 |
| 38 | 6498 | 7220 | 7942 | 8664 | 9386 | 10108 | 10830 | 11552 | 12274 | 12996 |
| 39 | 6669 | 7410 | 8151 | 8892 | 9633 | 10374 | 11115 | 11856 | 12597 | 13338 |
| 40 | 6840 | 7600 | 8360 | 9120 | 9880 | 10640 | 11400 | 12160 | 12920 | 13680 |
| 41 | 7011 | 7790 | 8569 | 9348 | 10127 | 10906 | 11685 | 12464 | 13243 | 14022 |
| 42 | 7182 | 7980 | 8778 | 9576 | 10374 | 11172 | 11970 | 12768 | 13566 | 14364 |
| 43 | 7353 | 8170 | 8987 | 9804 | 10621 | 11438 | 12255 | 13072 | 13889 | 14706 |
| 44 | 7524 | 8360 | 9196 | 10032 | 10868 | 11704 | 12540 | 13376 | 14212 | 15048 |
| 45 | 7695 | 8550 | 9405 | 10260 | 11115 | 11970 | 12825 | 13680 | 14535 | 15390 |
| 46 | 7866 | 8740 | 9614 | 10488 | 11362 | 12236 | 13110 | 13984 | 14858 | 15732 |
| 47 | 8037 | 8930 | 9823 | 10716 | 11609 | 12502 | 13395 | 14288 | 15181 | 16074 |
| 48 | 8208 | 9120 | 10032 | 10944 | 11856 | 12768 | 13680 | 14592 | 15504 | 16416 |
| 49 | 8379 | 9310 | 10241 | 11172 | 12103 | 13034 | 13965 | 14896 | 15827 | 16758 |
| 50 | 8550 | 9500 | 10450 | 11400 | 12350 | 13300 | 14250 | 15200 | 16150 | 17100 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 20 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 5 | 10 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 |
| 2 | 10 | 20 | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 |
| 3 | 15 | 30 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 |
| 4 | 20 | 40 | 80 | 160 | 240 | 320 | 400 | 480 | 560 | 640 |
| 5 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 |
| 6 | 30 | 60 | 120 | 240 | 360 | 480 | 600 | 720 | 840 | 960 |
| 7 | 35 | 70 | 140 | 280 | 420 | 560 | 700 | 840 | 980 | 1120 |
| 8 | 40 | 80 | 160 | 320 | 480 | 640 | 800 | 960 | 1120 | 1280 |
| 9 | 45 | 90 | 180 | 360 | 540 | 720 | 900 | 1080 | 1260 | 1440 |
| 10 | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| 11 | 55 | 110 | 220 | 440 | 660 | 880 | 1100 | 1320 | 1540 | 1760 |
| 12 | 60 | 120 | 240 | 480 | 720 | 960 | 1200 | 1440 | 1680 | 1920 |
| 13 | 65 | 130 | 260 | 520 | 780 | 1040 | 1300 | 1560 | 1820 | 2080 |
| 14 | 70 | 140 | 280 | 560 | 840 | 1120 | 1400 | 1680 | 1960 | 2240 |
| 15 | 75 | 150 | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| 16 | 80 | 160 | 320 | 640 | 960 | 1280 | 1600 | 1920 | 2240 | 2560 |
| 17 | 85 | 170 | 340 | 680 | 1020 | 1360 | 1700 | 2040 | 2380 | 2720 |
| 18 | 90 | 180 | 360 | 720 | 1080 | 1440 | 1800 | 2160 | 2520 | 2880 |
| 19 | 95 | 190 | 380 | 760 | 1140 | 1520 | 1900 | 2280 | 2660 | 3040 |
| 20 | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 |
| 21 | 105 | 210 | 420 | 840 | 1260 | 1680 | 2100 | 2520 | 2940 | 3360 |
| 22 | 110 | 220 | 440 | 880 | 1320 | 1760 | 2200 | 2640 | 3080 | 3520 |
| 23 | 115 | 230 | 460 | 920 | 1380 | 1840 | 2300 | 2760 | 3220 | 3680 |
| 24 | 120 | 240 | 480 | 960 | 1440 | 1920 | 2400 | 2880 | 3360 | 3840 |
| 25 | 125 | 250 | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 |
| 26 | 130 | 260 | 520 | 1040 | 1560 | 2080 | 2600 | 3120 | 3640 | 4160 |
| 27 | 135 | 270 | 540 | 1080 | 1620 | 2160 | 2700 | 3240 | 3780 | 4320 |
| 28 | 140 | 280 | 560 | 1120 | 1680 | 2240 | 2800 | 3360 | 3920 | 4480 |
| 29 | 145 | 290 | 580 | 1160 | 1740 | 2320 | 2900 | 3480 | 4060 | 4640 |
| 30 | 150 | 300 | 600 | 1200 | 1800 | 2400 | 3000 | 3600 | 4200 | 4800 |
| 31 | 155 | 310 | 620 | 1240 | 1860 | 2480 | 3100 | 3720 | 4340 | 4960 |
| 32 | 160 | 320 | 640 | 1280 | 1920 | 2560 | 3200 | 3840 | 4480 | 5120 |
| 33 | 165 | 330 | 660 | 1320 | 1980 | 2640 | 3300 | 3960 | 4620 | 5280 |
| 34 | 170 | 340 | 680 | 1360 | 2040 | 2720 | 3400 | 4080 | 4760 | 5440 |
| 35 | 175 | 350 | 700 | 1400 | 2100 | 2800 | 3500 | 4200 | 4900 | 5600 |
| 36 | 180 | 360 | 720 | 1440 | 2160 | 2880 | 3600 | 4320 | 5040 | 5760 |
| 37 | 185 | 370 | 740 | 1480 | 2220 | 2960 | 3700 | 4440 | 5180 | 5920 |
| 38 | 190 | 380 | 760 | 1520 | 2280 | 3040 | 3800 | 4560 | 5320 | 6080 |
| 39 | 195 | 390 | 780 | 1560 | 2340 | 3120 | 3900 | 4680 | 5460 | 6240 |
| 40 | 200 | 400 | 800 | 1600 | 2400 | 3200 | 4000 | 4800 | 5600 | 6400 |
| 41 | 205 | 410 | 820 | 1640 | 2460 | 3280 | 4100 | 4920 | 5740 | 6560 |
| 42 | 210 | 420 | 840 | 1680 | 2520 | 3360 | 4200 | 5040 | 5880 | 6720 |
| 43 | 215 | 430 | 860 | 1720 | 2580 | 3440 | 4300 | 5160 | 6020 | 6880 |
| 44 | 220 | 440 | 880 | 1760 | 2640 | 3520 | 4400 | 5280 | 6160 | 7040 |
| 45 | 225 | 450 | 900 | 1800 | 2700 | 3600 | 4500 | 5400 | 6300 | 7200 |
| 46 | 230 | 460 | 920 | 1840 | 2760 | 3680 | 4600 | 5520 | 6440 | 7360 |
| 47 | 235 | 470 | 940 | 1880 | 2820 | 3760 | 4700 | 5640 | 6580 | 7520 |
| 48 | 240 | 480 | 960 | 1920 | 2880 | 3840 | 4800 | 5760 | 6720 | 7680 |
| 49 | 245 | 490 | 980 | 1960 | 2940 | 3920 | 4900 | 5880 | 6860 | 7840 |
| 50 | 250 | 500 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 20 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 |
| 2 | 360 | 400 | 440 | 480 | 520 | 560 | 600 | 640 | 680 | 720 |
| 3 | 540 | 600 | 660 | 720 | 780 | 840 | 900 | 960 | 1020 | 1080 |
| 4 | 720 | 800 | 880 | 960 | 1040 | 1120 | 1200 | 1280 | 1360 | 1440 |
| 5 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
| 6 | 1080 | 1200 | 1320 | 1440 | 1560 | 1680 | 1800 | 1920 | 2040 | 2160 |
| 7 | 1260 | 1400 | 1540 | 1680 | 1820 | 1960 | 2100 | 2240 | 2380 | 2520 |
| 8 | 1440 | 1600 | 1760 | 1920 | 2080 | 2240 | 2400 | 2560 | 2720 | 2880 |
| 9 | 1620 | 1800 | 1980 | 2160 | 2340 | 2520 | 2700 | 2880 | 3060 | 3240 |
| 10 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
| 11 | 1980 | 2200 | 2420 | 2640 | 2860 | 3080 | 3300 | 3520 | 3740 | 3960 |
| 12 | 2160 | 2400 | 2640 | 2880 | 3120 | 3360 | 3600 | 3840 | 4080 | 4320 |
| 13 | 2340 | 2600 | 2860 | 3120 | 3380 | 3640 | 3900 | 4160 | 4420 | 4680 |
| 14 | 2520 | 2800 | 3080 | 3360 | 3640 | 3920 | 4200 | 4480 | 4760 | 5040 |
| 15 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 | 5100 | 5400 |
| 16 | 2880 | 3200 | 3520 | 3840 | 4160 | 4480 | 4800 | 5120 | 5440 | 5760 |
| 17 | 3060 | 3400 | 3740 | 4080 | 4420 | 4760 | 5100 | 5440 | 5780 | 6120 |
| 18 | 3240 | 3600 | 3960 | 4320 | 4680 | 5040 | 5400 | 5760 | 6120 | 6480 |
| 19 | 3420 | 3800 | 4180 | 4560 | 4940 | 5320 | 5700 | 6080 | 6460 | 6840 |
| 20 | 3600 | 4000 | 4400 | 4800 | 5200 | 5600 | 6000 | 6400 | 6800 | 7200 |
| 21 | 3780 | 4200 | 4620 | 5040 | 5460 | 5880 | 6300 | 6720 | 7140 | 7560 |
| 22 | 3960 | 4400 | 4840 | 5280 | 5720 | 6160 | 6600 | 7040 | 7480 | 7920 |
| 23 | 4140 | 4600 | 5060 | 5520 | 5980 | 6440 | 6900 | 7360 | 7820 | 8280 |
| 24 | 4320 | 4800 | 5280 | 5760 | 6240 | 6720 | 7200 | 7680 | 8160 | 8640 |
| 25 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 |
| 26 | 4680 | 5200 | 5720 | 6240 | 6760 | 7280 | 7800 | 8320 | 8840 | 9360 |
| 27 | 4860 | 5400 | 5940 | 6480 | 7020 | 7560 | 8100 | 8640 | 9180 | 9720 |
| 28 | 5040 | 5600 | 6160 | 6720 | 7280 | 7840 | 8400 | 8960 | 9520 | 10080 |
| 29 | 5220 | 5800 | 6380 | 6960 | 7540 | 8120 | 8700 | 9280 | 9860 | 10440 |
| 30 | 5400 | 6000 | 6600 | 7200 | 7800 | 8400 | 9000 | 9600 | 10200 | 10800 |
| 31 | 5580 | 6200 | 6820 | 7440 | 8060 | 8680 | 9300 | 9920 | 10540 | 11160 |
| 32 | 5760 | 6400 | 7040 | 7680 | 8320 | 8960 | 9600 | 10240 | 10880 | 11520 |
| 33 | 5940 | 6600 | 7260 | 7920 | 8580 | 9240 | 9900 | 10560 | 11220 | 11880 |
| 34 | 6120 | 6800 | 7480 | 8160 | 8840 | 9520 | 10200 | 10880 | 11560 | 12240 |
| 35 | 6300 | 7000 | 7700 | 8400 | 9100 | 9800 | 10500 | 11200 | 11900 | 12600 |
| 36 | 6480 | 7200 | 7920 | 8640 | 9360 | 10080 | 10800 | 11520 | 12240 | 12960 |
| 37 | 6660 | 7400 | 8140 | 8880 | 9620 | 10360 | 11100 | 11840 | 12580 | 13320 |
| 38 | 6840 | 7600 | 8360 | 9120 | 9880 | 10640 | 11400 | 12160 | 12920 | 13680 |
| 39 | 7020 | 7800 | 8580 | 9360 | 10140 | 10920 | 11700 | 12480 | 13260 | 14040 |
| 40 | 7200 | 8000 | 8800 | 9600 | 10400 | 11200 | 12000 | 12800 | 13600 | 14400 |
| 41 | 7380 | 8200 | 9020 | 9840 | 10660 | 11480 | 12300 | 13120 | 13940 | 14760 |
| 42 | 7560 | 8400 | 9240 | 10080 | 10920 | 11760 | 12600 | 13440 | 14280 | 15120 |
| 43 | 7740 | 8600 | 9460 | 10320 | 11180 | 12040 | 12900 | 13760 | 14620 | 15480 |
| 44 | 7920 | 8800 | 9680 | 10560 | 11440 | 12320 | 13200 | 14080 | 14960 | 15840 |
| 45 | 8100 | 9000 | 9900 | 10800 | 11700 | 12600 | 13500 | 14400 | 15300 | 16200 |
| 46 | 8280 | 9200 | 10120 | 11040 | 11960 | 12880 | 13800 | 14720 | 15640 | 16560 |
| 47 | 8460 | 9400 | 10340 | 11280 | 12220 | 13160 | 14100 | 15040 | 15980 | 16920 |
| 48 | 8640 | 9600 | 10560 | 11520 | 12480 | 13440 | 14400 | 15360 | 16320 | 17280 |
| 49 | 8820 | 9800 | 10780 | 11760 | 12740 | 13720 | 14700 | 15680 | 16660 | 17640 |
| 50 | 9000 | 10000 | 11000 | 12000 | 13000 | 14000 | 15000 | 16000 | 17000 | 18000 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

**Breadth, 21 feet.**

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 5¼ | 10½ | 21 | 42 | 63 | 84 | 105 | 126 | 147 | 168 |
| 2 | 10½ | 21 | 42 | 84 | 126 | 168 | 210 | 252 | 294 | 336 |
| 3 | 15¾ | 31½ | 63 | 126 | 189 | 252 | 315 | 378 | 441 | 504 |
| 4 | 21 | 42 | 84 | 168 | 252 | 336 | 420 | 504 | 588 | 672 |
| 5 | 26¼ | 52½ | 105 | 210 | 315 | 420 | 525 | 630 | 735 | 840 |
| 6 | 31½ | 63 | 126 | 252 | 378 | 504 | 630 | 756 | 882 | 1008 |
| 7 | 36¾ | 73½ | 147 | 294 | 441 | 588 | 735 | 882 | 1029 | 1176 |
| 8 | 42 | 84 | 168 | 336 | 504 | 672 | 840 | 1008 | 1176 | 1344 |
| 9 | 47¼ | 94½ | 189 | 378 | 567 | 756 | 945 | 1134 | 1323 | 1512 |
| 10 | 52½ | 95 | 210 | 420 | 630 | 840 | 1050 | 1260 | 1470 | 1680 |
| 11 | 57¾ | 115½ | 231 | 462 | 693 | 924 | 1155 | 1386 | 1617 | 1848 |
| 12 | 63 | 126 | 252 | 504 | 756 | 1008 | 1260 | 1512 | 1764 | 2016 |
| 13 | 68¼ | 136½ | 273 | 546 | 819 | 1092 | 1365 | 1638 | 1911 | 2184 |
| 14 | 73½ | 147 | 294 | 588 | 882 | 1176 | 1470 | 1764 | 2058 | 2352 |
| 15 | 78¾ | 157½ | 315 | 630 | 945 | 1260 | 1575 | 1890 | 2205 | 2520 |
| 16 | 84 | 168 | 336 | 672 | 1008 | 1344 | 1680 | 2016 | 2352 | 2688 |
| 17 | 89¼ | 178½ | 357 | 714 | 1071 | 1428 | 1785 | 2142 | 2499 | 2856 |
| 18 | 94½ | 189 | 378 | 756 | 1134 | 1512 | 1890 | 2268 | 2646 | 3024 |
| 19 | 99¾ | 199½ | 399 | 788 | 1197 | 1596 | 1995 | 2394 | 2793 | 3192 |
| 20 | 105 | 210 | 420 | 840 | 1260 | 1680 | 2100 | 2520 | 2940 | 3360 |
| 21 | 110¼ | 220½ | 441 | 882 | 1323 | 1764 | 2205 | 2646 | 3087 | 3528 |
| 22 | 115½ | 231 | 462 | 924 | 1386 | 1848 | 2310 | 2772 | 3234 | 3696 |
| 23 | 120¾ | 241½ | 483 | 966 | 1449 | 1932 | 2415 | 2896 | 3381 | 3864 |
| 24 | 126 | 252 | 504 | 1008 | 1512 | 2016 | 2520 | 2924 | 3528 | 4032 |
| 25 | 131¼ | 262½ | 525 | 1050 | 1575 | 2100 | 2625 | 3050 | 3675 | 4200 |
| 26 | 136½ | 273 | 546 | 1092 | 1638 | 2184 | 2730 | 3176 | 3822 | 4368 |
| 27 | 141¾ | 283½ | 567 | 1134 | 1701 | 2268 | 2835 | 3302 | 3969 | 4536 |
| 28 | 147 | 294 | 588 | 1176 | 1764 | 2352 | 2940 | 3428 | 4116 | 4704 |
| 29 | 152¼ | 304½ | 609 | 1218 | 1827 | 2436 | 3045 | 3554 | 4263 | 4872 |
| 30 | 157½ | 315 | 630 | 1260 | 1890 | 2520 | 3150 | 3780 | 4410 | 5040 |
| 31 | 162¾ | 325½ | 651 | 1302 | 1953 | 2604 | 3255 | 3906 | 4557 | 5208 |
| 32 | 168 | 336 | 672 | 1344 | 2016 | 2688 | 3360 | 4032 | 4704 | 5376 |
| 33 | 173¼ | 346½ | 693 | 1386 | 2079 | 2772 | 3465 | 4158 | 4851 | 5544 |
| 34 | 178½ | 357 | 714 | 1428 | 2142 | 2856 | 3570 | 4284 | 4998 | 5712 |
| 35 | 183¾ | 367½ | 735 | 1470 | 2205 | 2940 | 3675 | 4410 | 5145 | 5880 |
| 36 | 189 | 378 | 756 | 1512 | 2268 | 3024 | 3780 | 4536 | 5292 | 6048 |
| 37 | 194¼ | 388½ | 777 | 1554 | 2331 | 3108 | 3885 | 4662 | 5439 | 6216 |
| 38 | 199½ | 399 | 798 | 1596 | 2394 | 3192 | 3990 | 4788 | 5586 | 6384 |
| 39 | 204¾ | 409½ | 819 | 1638 | 2457 | 3276 | 4095 | 4914 | 5733 | 6552 |
| 40 | 210 | 420 | 840 | 1680 | 2520 | 3360 | 4200 | 5040 | 5880 | 6720 |
| 41 | 215¼ | 430½ | 861 | 1722 | 2583 | 3444 | 4305 | 5166 | 6027 | 6888 |
| 42 | 220½ | 441 | 882 | 1764 | 2646 | 3528 | 4410 | 5292 | 6174 | 7056 |
| 43 | 225¾ | 451½ | 903 | 1806 | 2709 | 3612 | 4515 | 5418 | 6321 | 7224 |
| 44 | 231 | 462 | 924 | 1849 | 2772 | 3696 | 4620 | 5544 | 6468 | 7392 |
| 45 | 236¼ | 472½ | 945 | 1890 | 2835 | 3780 | 4725 | 5670 | 6615 | 7560 |
| 46 | 241½ | 483 | 966 | 1932 | 2898 | 3864 | 4830 | 5796 | 6762 | 7728 |
| 47 | 246¾ | 493½ | 987 | 1974 | 2961 | 3948 | 4935 | 5922 | 6909 | 7896 |
| 48 | 252 | 504 | 1008 | 2016 | 3024 | 4032 | 5040 | 6048 | 7056 | 8064 |
| *49* | *257¼* | *514½* | *1029* | *2058* | 3087 | 4116 | 5145 | 6174 | 7203 | 8232 |
| *50* | *262½* | *525* | *1050* | 2100 | 3150 | 4200 | 5250 | 6300 | 7350 | 8400 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 21 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 189 | 210 | 231 | 252 | 273 | 294 | 315 | 336 | 357 | 378 |
| 2 | 378 | 420 | 462 | 504 | 546 | 588 | 630 | 672 | 714 | 756 |
| 3 | 567 | 630 | 693 | 756 | 819 | 882 | 945 | 1008 | 1071 | 1134 |
| 4 | 756 | 840 | 924 | 1008 | 1092 | 1176 | 1260 | 1344 | 1428 | 1512 |
| 5 | 945 | 1050 | 1155 | 1260 | 1365 | 1470 | 1575 | 1680 | 1785 | 1890 |
| 6 | 1134 | 1260 | 1386 | 1512 | 1638 | 1764 | 1890 | 2016 | 2142 | 2268 |
| 7 | 1323 | 1470 | 1617 | 1764 | 1911 | 2048 | 2205 | 2352 | 2449 | 2646 |
| 8 | 1512 | 1680 | 1848 | 2016 | 2184 | 2352 | 2520 | 2688 | 2856 | 3024 |
| 9 | 1701 | 1890 | 2079 | 2268 | 2457 | 2646 | 2835 | 3024 | 3213 | 3402 |
| 10 | 1890 | 2100 | 2310 | 2520 | 2730 | 2940 | 3150 | 3360 | 3570 | 3780 |
| 11 | 2079 | 2310 | 2541 | 2772 | 3003 | 3234 | 3465 | 3696 | 3927 | 4158 |
| 12 | 2268 | 2520 | 2772 | 3024 | 3276 | 3528 | 3780 | 4032 | 4284 | 4536 |
| 13 | 2457 | 2730 | 3003 | 3276 | 3549 | 3822 | 4095 | 4368 | 4641 | 4914 |
| 14 | 2646 | 2940 | 3234 | 3528 | 3822 | 4116 | 4410 | 4704 | 4998 | 5292 |
| 15 | 2835 | 3150 | 3465 | 3780 | 4096 | 4410 | 4725 | 5040 | 5355 | 5670 |
| 16 | 3024 | 3360 | 3696 | 4032 | 4368 | 4704 | 5040 | 5376 | 5712 | 6048 |
| 17 | 3213 | 3570 | 3927 | 4284 | 4641 | 4998 | 5355 | 5712 | 6069 | 6426 |
| 18 | 3402 | 3780 | 4158 | 4536 | 4914 | 5292 | 5670 | 6048 | 6426 | 6804 |
| 19 | 3591 | 3990 | 4389 | 4788 | 5187 | 5586 | 5985 | 6384 | 6783 | 7182 |
| 20 | 3780 | 4200 | 4620 | 5040 | 5460 | 5880 | 6300 | 6720 | 7140 | 7560 |
| 21 | 3969 | 4410 | 4851 | 5292 | 5733 | 6174 | 6615 | 7056 | 7497 | 7938 |
| 22 | 4158 | 4620 | 5082 | 5544 | 6006 | 6468 | 6930 | 7392 | 7854 | 8316 |
| 23 | 4347 | 4830 | 5313 | 5796 | 6279 | 6762 | 7245 | 7728 | 8211 | 8694 |
| 24 | 4536 | 5040 | 5544 | 6048 | 6552 | 7056 | 7560 | 8064 | 8568 | 9072 |
| 25 | 4725 | 5250 | 5775 | 6300 | 6825 | 7350 | 7875 | 8400 | 8925 | 9450 |
| 26 | 4914 | 5460 | 6006 | 6552 | 7098 | 7644 | 8190 | 8736 | 9282 | 9828 |
| 27 | 5103 | 5670 | 6237 | 6804 | 7371 | 7938 | 8505 | 9072 | 9639 | 10206 |
| 28 | 5292 | 5880 | 6468 | 7056 | 7644 | 8232 | 8820 | 9408 | 9996 | 10584 |
| 29 | 5481 | 6090 | 6699 | 7308 | 7917 | 8526 | 9135 | 9744 | 10353 | 10962 |
| 30 | 5670 | 6300 | 6930 | 7560 | 8190 | 8820 | 9450 | 10180 | 10710 | 11340 |
| 31 | 5859 | 6510 | 7161 | 7812 | 8463 | 9114 | 9765 | 10516 | 11067 | 11718 |
| 32 | 6048 | 6720 | 7392 | 8064 | 8736 | 9408 | 10080 | 10852 | 11424 | 12096 |
| 33 | 6237 | 6930 | 7623 | 8316 | 9009 | 9702 | 10395 | 11188 | 11781 | 12474 |
| 34 | 6426 | 7140 | 7854 | 8568 | 9282 | 9996 | 10710 | 11524 | 12138 | 12852 |
| 35 | 6615 | 7350 | 8085 | 8820 | 9555 | 10290 | 11025 | 11860 | 12495 | 13230 |
| 36 | 6804 | 7560 | 8316 | 9072 | 9828 | 10584 | 11340 | 12196 | 12852 | 13608 |
| 37 | 6993 | 7770 | 8547 | 9324 | 10101 | 10878 | 11655 | 12532 | 13209 | 13986 |
| 38 | 7182 | 7980 | 8778 | 9576 | 10374 | 11172 | 11970 | 12868 | 13566 | 14364 |
| 39 | 7371 | 8190 | 9009 | 9828 | 10647 | 11466 | 12285 | 13204 | 13923 | 14742 |
| 40 | 7560 | 8400 | 9240 | 10080 | 10920 | 11760 | 12600 | 13540 | 14280 | 15120 |
| 41 | 7749 | 8610 | 9471 | 10332 | 11193 | 12054 | 12915 | 13876 | 14637 | 15498 |
| 42 | 7938 | 8820 | 9702 | 10584 | 11466 | 12348 | 13230 | 14212 | 14994 | 15876 |
| 43 | 8127 | 9030 | 9933 | 10836 | 11739 | 12642 | 13545 | 14548 | 15351 | 16254 |
| 44 | 8316 | 9240 | 10164 | 11088 | 12012 | 12936 | 13860 | 14884 | 15708 | 16632 |
| 45 | 8505 | 9450 | 10395 | 11340 | 12285 | 13230 | 14175 | 15220 | 16065 | 17010 |
| 46 | 8694 | 9660 | 10626 | 11592 | 12558 | 13524 | 14490 | 15556 | 16422 | 17388 |
| 47 | 8883 | 9870 | 10857 | 11844 | 12831 | 13818 | 14805 | 15892 | 16779 | 17766 |
| 48 | 9072 | 10080 | 10088 | 12096 | 13104 | 14112 | 15120 | 16228 | 17136 | 18144 |
| 49 | 9261 | 10290 | 11319 | 12348 | 13377 | 14406 | 15435 | 16564 | 17493 | 18522 |
| 50 | 9450 | 10500 | 11550 | 12600 | 13650 | 14700 | 15750 | 16800 | 17850 | 18900 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 18 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4½ | 9 | 18 | 36 | 54 | 72 | 90 | 108 | 126 | 144 |
| 2 | 9 | 18 | 36 | 72 | 108 | 144 | 180 | 216 | 252 | 288 |
| 3 | 13½ | 27 | 54 | 108 | 162 | 216 | 270 | 324 | 358 | 432 |
| 4 | 18 | 36 | 72 | 144 | 216 | 288 | 360 | 432 | 504 | 576 |
| 5 | 22½ | 45 | 90 | 180 | 270 | 360 | 450 | 540 | 630 | 720 |
| 6 | 27 | 54 | 108 | 216 | 324 | 432 | 540 | 648 | 756 | 864 |
| 7 | 31½ | 63 | 126 | 252 | 378 | 504 | 630 | 756 | 882 | 1008 |
| 8 | 36 | 72 | 144 | 288 | 432 | 576 | 720 | 864 | 1008 | 1152 |
| 9 | 40½ | 81 | 162 | 324 | 486 | 648 | 810 | 972 | 1134 | 1296 |
| 10 | 45 | 90 | 180 | 360 | 540 | 720 | 900 | 1080 | 1260 | 1440 |
| 11 | 49½ | 99 | 198 | 396 | 594 | 792 | 990 | 1188 | 1386 | 1584 |
| 12 | 54 | 108 | 216 | 432 | 648 | 864 | 1080 | 1296 | 1512 | 1728 |
| 13 | 58½ | 117 | 234 | 468 | 702 | 936 | 1170 | 1404 | 1638 | 1872 |
| 14 | 63 | 126 | 252 | 504 | 756 | 1008 | 1260 | 1512 | 1764 | 2016 |
| 15 | 67½ | 135 | 270 | 540 | 810 | 1080 | 1350 | 1620 | 1890 | 2160 |
| 16 | 72 | 144 | 288 | 576 | 864 | 1152 | 1440 | 1728 | 2016 | 2304 |
| 17 | 76½ | 153 | 306 | 612 | 918 | 1224 | 1530 | 1836 | 2142 | 2448 |
| 18 | 81 | 162 | 324 | 648 | 972 | 1296 | 1620 | 1944 | 2268 | 2592 |
| 19 | 85½ | 171 | 342 | 684 | 1026 | 1368 | 1710 | 2052 | 2394 | 2736 |
| 20 | 90 | 180 | 360 | 720 | 1080 | 1440 | 1800 | 2160 | 2520 | 2880 |
| 21 | 94½ | 189 | 378 | 756 | 1134 | 1512 | 1890 | 2268 | 2646 | 3024 |
| 22 | 99 | 198 | 396 | 792 | 1188 | 1588 | 1980 | 2376 | 2772 | 3168 |
| 23 | 103½ | 207 | 414 | 828 | 1242 | 1656 | 2070 | 2484 | 2898 | 3312 |
| 24 | 108 | 216 | 432 | 864 | 1296 | 1728 | 2160 | 2592 | 3024 | 3456 |
| 25 | 112½ | 225 | 450 | 900 | 1350 | 1800 | 2250 | 2700 | 3150 | 3600 |
| 26 | 117 | 234 | 468 | 936 | 1404 | 1872 | 2340 | 2808 | 3276 | 3744 |
| 27 | 121½ | 243 | 486 | 972 | 1458 | 1944 | 2430 | 2916 | 3402 | 4888 |
| 28 | 126 | 252 | 504 | 1008 | 1512 | 2016 | 2520 | 3024 | 3528 | 4032 |
| 29 | 130½ | 261 | 522 | 1044 | 1566 | 2088 | 2610 | 3132 | 3654 | 4176 |
| 30 | 135 | 270 | 540 | 1080 | 1620 | 2160 | 2700 | 3240 | 3780 | 4320 |
| 31 | 139½ | 279 | 558 | 1116 | 1674 | 2232 | 2790 | 3348 | 3906 | 4464 |
| 32 | 144 | 288 | 576 | 1152 | 1728 | 2304 | 2880 | 3456 | 4032 | 4608 |
| 33 | 148½ | 297 | 596 | 1188 | 1782 | 2376 | 2970 | 3564 | 4158 | 4752 |
| 34 | 153 | 306 | 612 | 1224 | 1836 | 2448 | 3060 | 3672 | 4284 | 4896 |
| 35 | 157½ | 315 | 630 | 1260 | 1890 | 2520 | 3150 | 3780 | 4410 | 5040 |
| 36 | 162 | 324 | 648 | 1296 | 1944 | 2592 | 3240 | 3888 | 4536 | 5184 |
| 37 | 166½ | 333 | 666 | 1332 | 1998 | 2664 | 3330 | 3996 | 4662 | 5328 |
| 38 | 171 | 342 | 684 | 1368 | 2052 | 2736 | 3420 | 4104 | 4788 | 5472 |
| 39 | 175½ | 351 | 702 | 1404 | 2106 | 2808 | 3510 | 4212 | 4914 | 5616 |
| 40 | 180 | 360 | 720 | 1440 | 2160 | 2880 | 3600 | 4320 | 5040 | 5760 |
| 41 | 184½ | 369 | 738 | 1476 | 2214 | 2952 | 3690 | 4428 | 5166 | 5904 |
| 42 | 189 | 378 | 756 | 1512 | 2268 | 3024 | 3780 | 4536 | 5292 | 6048 |
| 43 | 193½ | 387 | 774 | 1548 | 2322 | 3096 | 3870 | 4644 | 5418 | 6192 |
| 44 | 198 | 396 | 792 | 1584 | 2376 | 3168 | 3960 | 4752 | 5544 | 6336 |
| 45 | 202½ | 405 | 810 | 1620 | 2430 | 3240 | 4050 | 4860 | 5670 | 6480 |
| 46 | 207 | 414 | 828 | 1656 | 2484 | 3312 | 4140 | 4968 | 5796 | 6624 |
| 47 | 211½ | 423 | 846 | 1692 | 2538 | 3384 | 4230 | 5076 | 5922 | 6768 |
| 48 | 216 | 432 | 864 | 1728 | 2592 | 3456 | 4320 | 5184 | 6048 | 6912 |
| 49 | 220½ | 441 | 882 | 1764 | 2646 | 3528 | 4410 | 5292 | 6174 | 7056 |
| 50 | 225 | 450 | 900 | 1800 | 2700 | 3600 | 4500 | 5400 | 6300 | 7200 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 8 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17ft. | 18 ft. |
| 1 | 162 | 180 | 198 | 216 | 234 | 252 | 270 | 288 | 306 | 324 |
| 2 | 324 | 360 | 396 | 432 | 468 | 504 | 540 | 576 | 612 | 648 |
| 3 | 486 | 540 | 594 | 648 | 702 | 756 | 810 | 864 | 918 | 972 |
| 4 | 648 | 720 | 792 | 864 | 936 | 1008 | 1080 | 1152 | 1224 | 1296 |
| 5 | 810 | 900 | 990 | 1080 | 1170 | 1260 | 1350 | 1440 | 1530 | 1620 |
| 6 | 972 | 1080 | 1188 | 1296 | 1404 | 1512 | 1620 | 1728 | 1836 | 1944 |
| 7 | 1134 | 1260 | 1386 | 1512 | 1638 | 1764 | 1890 | 2016 | 2142 | 2268 |
| 8 | 1296 | 1440 | 1584 | 1728 | 1872 | 2016 | 2160 | 2304 | 2448 | 2592 |
| 9 | 1458 | 1620 | 1782 | 1944 | 2106 | 2268 | 2430 | 2592 | 2754 | 2916 |
| 10 | 1620 | 1800 | 1980 | 2160 | 2340 | 2520 | 2700 | 2880 | 3060 | 3240 |
| 11 | 1780 | 1980 | 2178 | 2376 | 2574 | 2772 | 2970 | 3168 | 3566 | 3564 |
| 12 | 1944 | 2160 | 2376 | 2592 | 2808 | 3024 | 3240 | 3456 | 3672 | 3888 |
| 13 | 2106 | 2340 | 2574 | 2808 | 3042 | 3276 | 3510 | 3744 | 3978 | 4212 |
| 14 | 2268 | 2520 | 2772 | 3024 | 3276 | 3528 | 3780 | 4032 | 4284 | 4536 |
| 15 | 2430 | 2700 | 2970 | 3240 | 3510 | 3780 | 4050 | 4320 | 4590 | 4860 |
| 16 | 2592 | 2880 | 3168 | 3456 | 3744 | 4032 | 4320 | 4608 | 4896 | 5184 |
| 17 | 2754 | 3060 | 3366 | 3672 | 3978 | 4284 | 4590 | 4896 | 5202 | 5508 |
| 18 | 2916 | 3240 | 3564 | 3888 | 4204 | 4536 | 4860 | 5184 | 5508 | 5832 |
| 19 | 3078 | 3420 | 3762 | 4104 | 4446 | 4788 | 5130 | 5472 | 5814 | 6156 |
| 20 | 3240 | 3600 | 3960 | 4320 | 4680 | 5040 | 5400 | 5760 | 6120 | 6480 |
| 21 | 3402 | 3780 | 4158 | 4536 | 4914 | 5292 | 5670 | 6048 | 6426 | 6804 |
| 22 | 3564 | 3960 | 4356 | 4752 | 5148 | 5544 | 5940 | 6336 | 6732 | 7128 |
| 23 | 3726 | 4140 | 4554 | 4968 | 5382 | 5796 | 6210 | 6624 | 7038 | 7452 |
| 24 | 3888 | 4320 | 4752 | 5184 | 5616 | 6048 | 6480 | 6912 | 7344 | 7776 |
| 25 | 4050 | 4500 | 4950 | 5400 | 5850 | 6300 | 6750 | 7200 | 7650 | 8100 |
| 26 | 4212 | 4680 | 5148 | 5616 | 6084 | 6552 | 7020 | 7488 | 7956 | 8424 |
| 27 | 4374 | 4860 | 5346 | 5832 | 6318 | 6804 | 7290 | 7776 | 8262 | 8748 |
| 28 | 4536 | 5040 | 5544 | 6048 | 6552 | 7056 | 7560 | 8064 | 8568 | 0972 |
| 29 | 4698 | 5220 | 5742 | 6264 | 6786 | 7308 | 7830 | 8352 | 8874 | 9396 |
| 30 | 4860 | 5400 | 5940 | 6480 | 7020 | 7560 | 8100 | 8640 | 9180 | 9720 |
| 31 | 5022 | 5580 | 6138 | 6696 | 7254 | 7812 | 8370 | 8928 | 9486 | 10044 |
| 32 | 5184 | 5760 | 6336 | 6912 | 7488 | 8064 | 8640 | 9216 | 9792 | 10368 |
| 33 | 5346 | 5940 | 6534 | 7128 | 7722 | 8316 | 8910 | 9504 | 10098 | 10692 |
| 34 | 5508 | 6120 | 6732 | 7344 | 7956 | 8568 | 9180 | 9792 | 10404 | 11016 |
| 35 | 5670 | 6300 | 6930 | 7560 | 8190 | 8820 | 9450 | 10080 | 10710 | 11340 |
| 36 | 5832 | 6480 | 7128 | 7776 | 8424 | 9072 | 9720 | 10368 | 11016 | 11664 |
| 37 | 6094 | 6660 | 7326 | 7992 | 8658 | 9324 | 9990 | 10656 | 11322 | 11988 |
| 38 | 6156 | 6840 | 7524 | 8208 | 8892 | 9576 | 10260 | 10944 | 11628 | 12312 |
| 39 | 6318 | 7020 | 7722 | 8424 | 9126 | 9828 | 10530 | 11232 | 11934 | 12636 |
| 40 | 6480 | 7200 | 7920 | 8640 | 9360 | 10080 | 10800 | 11520 | 12240 | 12960 |
| 41 | 6642 | 7380 | 8118 | 8856 | 9594 | 10332 | 11070 | 11880 | 12546 | 13284 |
| 42 | 6804 | 7560 | 8316 | 9072 | 9828 | 10584 | 11340 | 12096 | 12852 | 13608 |
| 43 | 6966 | 7740 | 8514 | 9288 | 10062 | 10836 | 11610 | 12384 | 13158 | 13932 |
| 44 | 7128 | 7920 | 8712 | 9504 | 10296 | 11088 | 11880 | 12672 | 13464 | 14256 |
| 45 | 7290 | 8100 | 8910 | 9720 | 10530 | 11340 | 12150 | 12960 | 13770 | 14580 |
| 46 | 7452 | 8280 | 9108 | 9936 | 10764 | 11592 | 12420 | 13248 | 14076 | 14904 |
| 47 | 7614 | 8460 | 9306 | 10152 | 10998 | 11844 | 12690 | 13536 | 14382 | 15228 |
| 48 | 7776 | 8640 | 9504 | 10368 | 11232 | 12096 | 12960 | 13824 | 14688 | 15552 |
| 49 | 7938 | 8820 | 9702 | 10584 | 11466 | 12348 | 13330 | 14112 | 14994 | 15876 |
| 50 | 8100 | 9000 | 9900 | 10800 | 11700 | 12600 | 13500 | 14400 | 15300 | 16200 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 19 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 4¾ | 9½ | 19 | 38 | 57 | 76 | 95 | 114 | 133 | 152 |
| 2 | 9½ | 19 | 38 | 76 | 114 | 152 | 190 | 228 | 266 | 304 |
| 3 | 14¼ | 28½ | 57 | 114 | 171 | 228 | 285 | 342 | 399 | 456 |
| 4 | 19 | 38 | 76 | 152 | 228 | 304 | 380 | 456 | 532 | 608 |
| 5 | 23¾ | 47½ | 95 | 190 | 285 | 380 | 475 | 570 | 665 | 760 |
| 6 | 28½ | 57 | 114 | 228 | 342 | 456 | 570 | 684 | 798 | 912 |
| 7 | 33¼ | 66½ | 133 | 266 | 399 | 532 | 665 | 798 | 931 | 1064 |
| 8 | 38 | 76 | 152 | 304 | 456 | 608 | 760 | 912 | 1064 | 1216 |
| 9 | 42¾ | 85½ | 171 | 342 | 513 | 684 | 855 | 1026 | 1197 | 1368 |
| 10 | 47½ | 95 | 190 | 380 | 570 | 760 | 950 | 1140 | 1330 | 1520 |
| 11 | 52¼ | 104½ | 209 | 418 | 627 | 836 | 1045 | 1254 | 1463 | 1672 |
| 12 | 57 | 114 | 228 | 456 | 684 | 912 | 1140 | 1368 | 1596 | 1824 |
| 13 | 61¾ | 123½ | 247 | 494 | 741 | 988 | 1235 | 1482 | 1729 | 1976 |
| 14 | 66½ | 133 | 266 | 532 | 798 | 1064 | 1330 | 1596 | 1862 | 2128 |
| 15 | 71¼ | 142½ | 285 | 570 | 855 | 1140 | 1425 | 1710 | 1995 | 2280 |
| 16 | 76 | 152 | 304 | 608 | 912 | 1216 | 1520 | 1824 | 2128 | 2432 |
| 17 | 80¾ | 161½ | 323 | 646 | 969 | 1292 | 1615 | 1938 | 2261 | 2584 |
| 18 | 85½ | 171 | 342 | 684 | 1026 | 1368 | 1710 | 2052 | 2394 | 2736 |
| 19 | 90¼ | 180½ | 361 | 722 | 1083 | 1444 | 1805 | 2166 | 2527 | 2888 |
| 20 | 95 | 190 | 380 | 760 | 1140 | 1520 | 1900 | 2280 | 2660 | 3040 |
| 21 | 99¾ | 199½ | 399 | 798 | 1197 | 1596 | 1995 | 2394 | 2793 | 3192 |
| 22 | 104½ | 209 | 418 | 836 | 1254 | 1672 | 2090 | 2508 | 2926 | 3344 |
| 23 | 109¼ | 218½ | 437 | 874 | 1311 | 1748 | 2185 | 2622 | 3059 | 3496 |
| 24 | 114 | 228 | 456 | 912 | 1368 | 1824 | 2280 | 2736 | 3192 | 3648 |
| 25 | 118¾ | 237½ | 475 | 950 | 1425 | 1900 | 2375 | 2850 | 3325 | 3800 |
| 26 | 123½ | 247 | 494 | 988 | 1482 | 1976 | 2470 | 2964 | 3458 | 3952 |
| 27 | 128¼ | 256½ | 513 | 1026 | 1539 | 2052 | 2565 | 3078 | 3591 | 4104 |
| 28 | 133 | 266 | 532 | 1064 | 1596 | 2128 | 2660 | 3192 | 3724 | 4256 |
| 29 | 137¾ | 275½ | 551 | 1102 | 1653 | 2204 | 2755 | 3306 | 3857 | 4408 |
| 30 | 142½ | 285 | 570 | 1140 | 1710 | 2280 | 2850 | 3420 | 3990 | 4560 |
| 31 | 147¼ | 294½ | 589 | 1178 | 1767 | 2356 | 2945 | 3534 | 4123 | 4712 |
| 32 | 152 | 304 | 608 | 1216 | 1824 | 2432 | 3040 | 3648 | 4256 | 4864 |
| 33 | 156¾ | 313½ | 627 | 1254 | 1881 | 2508 | 3135 | 3762 | 4389 | 5016 |
| 34 | 161½ | 323 | 646 | 1292 | 1938 | 2584 | 3230 | 3876 | 4522 | 5168 |
| 35 | 166¼ | 332½ | 665 | 1330 | 1995 | 2660 | 3325 | 3990 | 4655 | 5320 |
| 36 | 171 | 342 | 684 | 1368 | 2052 | 2736 | 3420 | 4104 | 4788 | 5472 |
| 37 | 175¾ | 351½ | 703 | 1406 | 2109 | 2812 | 3515 | 4218 | 4921 | 5624 |
| 38 | 180½ | 361 | 722 | 1444 | 2166 | 2888 | 3610 | 4332 | 5054 | 5776 |
| 39 | 185¼ | 370½ | 741 | 1482 | 2223 | 2964 | 3705 | 4446 | 5187 | 5928 |
| 40 | 190 | 380 | 760 | 1520 | 2280 | 3040 | 3800 | 4560 | 5320 | 6080 |
| 41 | 194¾ | 389½ | 779 | 1558 | 2337 | 3116 | 3895 | 4674 | 5453 | 6232 |
| 42 | 199½ | 399 | 798 | 1596 | 2394 | 3192 | 3990 | 4788 | 5586 | 6384 |
| 43 | 204¼ | 408½ | 817 | 1634 | 2451 | 3268 | 4085 | 4902 | 5719 | 6536 |
| 44 | 209 | 418 | 836 | 1672 | 2508 | 3344 | 4180 | 5016 | 5852 | 6688 |
| 45 | 213¾ | 427½ | 855 | 1710 | 2565 | 3420 | 4275 | 5130 | 5985 | 6840 |
| 46 | 218½ | 437 | 874 | 1748 | 2622 | 3496 | 4370 | 5244 | 6118 | 6992 |
| 47 | 223¼ | 446½ | 893 | 1786 | 2679 | 3572 | 4465 | 5358 | 6251 | 7144 |
| 48 | 228 | 456 | 912 | 1824 | 2736 | 3648 | 4560 | 5472 | 6384 | 7296 |
| 49 | 232¾ | 465½ | 931 | 1862 | 2793 | 3724 | 4655 | 5586 | 6517 | 7448 |
| *50* | *237½* | *475* | *950* | 1900 | 2850 | 3800 | 4750 | 5700 | 6650 | 7600 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 19 feet.

| Leng'h. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 171 | 190 | 209 | 228 | 247 | 266 | 285 | 304 | 323 | 342 |
| 2 | 342 | 380 | 418 | 456 | 494 | 532 | 570 | 608 | 646 | 684 |
| 3 | 513 | 570 | 627 | 684 | 741 | 798 | 855 | 912 | 969 | 1026 |
| 4 | 684 | 760 | 836 | 912 | 988 | 1064 | 1140 | 1216 | 1292 | 1368 |
| 5 | 855 | 950 | 1045 | 1140 | 1235 | 1330 | 1425 | 1520 | 1615 | 1710 |
| 6 | 1026 | 1140 | 1254 | 1368 | 1482 | 1596 | 1710 | 1824 | 1938 | 2052 |
| 7 | 1197 | 1330 | 1463 | 1596 | 1729 | 1862 | 1995 | 2128 | 2261 | 2394 |
| 8 | 1368 | 1520 | 1672 | 1824 | 1976 | 2128 | 2280 | 2432 | 2584 | 2736 |
| 9 | 1539 | 1710 | 1881 | 2052 | 2223 | 2394 | 2565 | 2736 | 2907 | 3078 |
| 10 | 1710 | 1900 | 2090 | 2280 | 2470 | 2660 | 2850 | 3040 | 3230 | 3420 |
| 11 | 1881 | 2090 | 2299 | 2508 | 2717 | 2926 | 3135 | 3344 | 3553 | 3762 |
| 12 | 2052 | 2280 | 2508 | 2736 | 2964 | 3192 | 3420 | 3648 | 3876 | 4104 |
| 13 | 2223 | 2470 | 2717 | 2964 | 3211 | 3458 | 3705 | 4952 | 4199 | 4446 |
| 14 | 2394 | 2660 | 2926 | 3192 | 3458 | 3724 | 3990 | 4256 | 4522 | 4788 |
| 15 | 2565 | 2850 | 3135 | 3420 | 3705 | 3990 | 4275 | 4560 | 4845 | 5130 |
| 16 | 2736 | 3040 | 3344 | 3648 | 3952 | 4256 | 4560 | 4864 | 5168 | 5472 |
| 17 | 2907 | 3230 | 3553 | 3876 | 4199 | 4522 | 4845 | 5168 | 5491 | 5814 |
| 18 | 3078 | 3420 | 3762 | 4104 | 4446 | 4788 | 5130 | 5472 | 5814 | 6156 |
| 19 | 3249 | 3610 | 3971 | 4332 | 4693 | 5054 | 5415 | 5776 | 6137 | 6498 |
| 20 | 3420 | 3800 | 4180 | 4560 | 4940 | 5320 | 5700 | 6080 | 6460 | 6840 |
| 21 | 3591 | 3990 | 4389 | 4788 | 5187 | 5586 | 5985 | 6384 | 6783 | 7182 |
| 22 | 3762 | 4180 | 4598 | 5016 | 5434 | 5852 | 6270 | 6688 | 7106 | 7524 |
| 23 | 3933 | 4370 | 4807 | 5244 | 5681 | 6118 | 6555 | 6992 | 7429 | 7866 |
| 24 | 4104 | 4560 | 5016 | 5472 | 5928 | 6384 | 6840 | 7296 | 7752 | 8208 |
| 25 | 4275 | 4750 | 5225 | 5700 | 6175 | 6650 | 7125 | 7600 | 8075 | 8550 |
| 26 | 4446 | 4940 | 5434 | 5928 | 6422 | 6916 | 7410 | 7904 | 8398 | 8892 |
| 27 | 4617 | 5130 | 5643 | 6156 | 6669 | 7182 | 7695 | 8208 | 8721 | 9234 |
| 28 | 4788 | 5320 | 5852 | 6384 | 6916 | 7448 | 7980 | 8512 | 9044 | 9576 |
| 29 | 4959 | 5510 | 6061 | 6612 | 7163 | 7714 | 8265 | 8816 | 9367 | 9918 |
| 30 | 5130 | 5700 | 6270 | 6840 | 7410 | 7980 | 8550 | 9120 | 9690 | 10260 |
| 31 | 5301 | 5890 | 6479 | 7068 | 7657 | 8246 | 8835 | 9424 | 10013 | 10602 |
| 32 | 5472 | 6080 | 6688 | 7296 | 7904 | 8512 | 9120 | 9728 | 10336 | 10944 |
| 33 | 5643 | 6270 | 6897 | 7524 | 8151 | 8778 | 9405 | 10032 | 10659 | 11286 |
| 34 | 5814 | 6460 | 7106 | 7752 | 8398 | 9044 | 9690 | 10336 | 10982 | 11628 |
| 35 | 5985 | 6650 | 7315 | 7980 | 8645 | 9310 | 9975 | 10640 | 11305 | 11970 |
| 36 | 6156 | 6840 | 7524 | 8208 | 8892 | 9576 | 10260 | 10944 | 11628 | 12312 |
| 37 | 6327 | 7030 | 7733 | 8436 | 9139 | 9842 | 10545 | 11248 | 11951 | 12654 |
| 38 | 6498 | 7220 | 7942 | 8664 | 9386 | 10108 | 10830 | 11552 | 12274 | 12996 |
| 39 | 6669 | 7410 | 8151 | 8892 | 9633 | 10374 | 11115 | 11856 | 12597 | 13338 |
| 40 | 6840 | 7600 | 8360 | 9120 | 9880 | 10640 | 11400 | 12160 | 12920 | 13680 |
| 41 | 7011 | 7790 | 8569 | 9348 | 10127 | 10906 | 11685 | 12464 | 13243 | 14022 |
| 42 | 7182 | 7980 | 8778 | 9576 | 10374 | 11172 | 11970 | 12768 | 13566 | 14364 |
| 43 | 7353 | 8170 | 8987 | 9804 | 10621 | 11438 | 12255 | 13072 | 13889 | 14706 |
| 44 | 7524 | 8360 | 9196 | 10032 | 10868 | 11704 | 12540 | 13376 | 14212 | 15048 |
| 45 | 7695 | 8550 | 9405 | 10260 | 11115 | 11970 | 12825 | 13680 | 14535 | 15390 |
| 46 | 7866 | 8740 | 9614 | 10488 | 11362 | 12236 | 13110 | 13984 | 14858 | 15732 |
| 47 | 8037 | 8930 | 9823 | 10716 | 11609 | 12502 | 13395 | 14288 | 15181 | 16074 |
| 48 | 8208 | 9120 | 10032 | 10944 | 11856 | 12768 | 13680 | 14592 | 15504 | 16416 |
| 49 | 8379 | 9310 | 10241 | 11172 | 12103 | 13034 | 13965 | 14896 | 15827 | 16758 |
| 50 | 8550 | 9500 | 10450 | 11400 | 12350 | 13300 | 14250 | 15200 | 16150 | 17100 |

## TABLE II. *continued.*

### CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 24 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 6 | 12 | 24 | 48 | 72 | 96 | 120 | 144 | 168 | 192 |
| 2 | 12 | 24 | 48 | 96 | 144 | 192 | 240 | 288 | 336 | 384 |
| 3 | 18 | 36 | 72 | 144 | 216 | 288 | 360 | 432 | 504 | 576 |
| 4 | 24 | 48 | 96 | 192 | 288 | 384 | 480 | 576 | 672 | 768 |
| 5 | 30 | 60 | 120 | 240 | 360 | 480 | 600 | 720 | 840 | 960 |
| 6 | 36 | 72 | 144 | 288 | 432 | 576 | 720 | 864 | 1008 | 1152 |
| 7 | 42 | 84 | 168 | 336 | 504 | 672 | 840 | 1008 | 1176 | 1344 |
| 8 | 48 | 96 | 192 | 384 | 576 | 768 | 960 | 1152 | 1344 | 1536 |
| 9 | 54 | 108 | 216 | 432 | 648 | 864 | 1080 | 1296 | 1512 | 1728 |
| 10 | 60 | 120 | 240 | 480 | 720 | 960 | 1200 | 1440 | 1680 | 1920 |
| 11 | 66 | 132 | 264 | 528 | 792 | 1056 | 1320 | 1584 | 1848 | 2112 |
| 12 | 72 | 144 | 288 | 576 | 864 | 1152 | 1440 | 1728 | 2016 | 2304 |
| 13 | 78 | 156 | 312 | 624 | 936 | 1248 | 1560 | 1872 | 2184 | 2496 |
| 14 | 84 | 168 | 336 | 672 | 1008 | 1344 | 1680 | 2016 | 2352 | 2688 |
| 15 | 90 | 180 | 360 | 720 | 1080 | 1440 | 1800 | 2160 | 2520 | 2880 |
| 16 | 96 | 192 | 384 | 768 | 1152 | 1536 | 1920 | 2304 | 2688 | 3072 |
| 17 | 102 | 204 | 408 | 816 | 1224 | 1632 | 2040 | 2448 | 2856 | 3264 |
| 18 | 108 | 216 | 432 | 864 | 1296 | 1728 | 2160 | 2592 | 3024 | 3456 |
| 19 | 114 | 228 | 456 | 912 | 1368 | 1824 | 2280 | 2736 | 3192 | 3648 |
| 20 | 120 | 240 | 480 | 960 | 1440 | 1920 | 2400 | 2880 | 3360 | 3840 |
| 21 | 126 | 252 | 504 | 1008 | 1512 | 2016 | 2520 | 3024 | 3528 | 4032 |
| 22 | 132 | 264 | 528 | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| 23 | 138 | 276 | 552 | 1104 | 1656 | 2208 | 2760 | 3312 | 3864 | 4416 |
| 24 | 144 | 288 | 576 | 1152 | 1728 | 2304 | 2880 | 3456 | 4032 | 4608 |
| 25 | 150 | 300 | 600 | 1200 | 1810 | 2400 | 3000 | 3600 | 4200 | 4800 |
| 26 | 156 | 312 | 624 | 1248 | 1872 | 2496 | 3120 | 3744 | 4368 | 4992 |
| 27 | 162 | 324 | 648 | 1296 | 1944 | 2592 | 3240 | 3888 | 4536 | 5184 |
| 28 | 168 | 336 | 672 | 1344 | 2016 | 2688 | 3360 | 4032 | 4794 | 5376 |
| 29 | 174 | 348 | 696 | 1392 | 2088 | 2784 | 3480 | 4176 | 4872 | 5568 |
| 30 | 180 | 360 | 720 | 1440 | 2160 | 2880 | 3600 | 4320 | 5040 | 5760 |
| 31 | 186 | 372 | 744 | 1488 | 2232 | 2976 | 3720 | 4464 | 5208 | 5952 |
| 32 | 192 | 384 | 768 | 1536 | 2304 | 3072 | 3840 | 4608 | 5376 | 6144 |
| 33 | 198 | 396 | 792 | 1584 | 2376 | 3168 | 3960 | 4752 | 5544 | 6336 |
| 34 | 204 | 408 | 816 | 1632 | 2448 | 3264 | 4080 | 4896 | 5712 | 6528 |
| 35 | 210 | 420 | 840 | 1680 | 2520 | 3360 | 4200 | 5040 | 5880 | 6720 |
| 36 | 216 | 432 | 864 | 1728 | 2592 | 3456 | 4320 | 5184 | 6048 | 6912 |
| 37 | 222 | 444 | 888 | 1776 | 2664 | 3552 | 4440 | 5328 | 6216 | 7104 |
| 38 | 228 | 456 | 912 | 1824 | 2736 | 3648 | 4560 | 5472 | 6384 | 7296 |
| 39 | 234 | 468 | 936 | 1872 | 2808 | 3744 | 4680 | 5616 | 6552 | 7488 |
| 40 | 240 | 480 | 960 | 1920 | 2880 | 3840 | 4800 | 5760 | 6720 | 7580 |
| 41 | 246 | 492 | 984 | 1968 | 2952 | 3936 | 4920 | 5904 | 6888 | 7872 |
| 42 | 252 | 504 | 1008 | 2016 | 3024 | 4032 | 5040 | 6048 | 7056 | 8064 |
| 43 | 258 | 516 | 1032 | 2064 | 3096 | 4128 | 5160 | 6192 | 7224 | 8256 |
| 44 | 264 | 528 | 1056 | 2112 | 3168 | 4224 | 5280 | 6336 | 7392 | 8448 |
| 45 | 270 | 540 | 1080 | 2160 | 3240 | 4320 | 5400 | 6480 | 7560 | 8640 |
| 46 | 276 | 552 | 1104 | 2208 | 3312 | 4416 | 5520 | 6624 | 7728 | 8832 |
| 47 | 282 | 564 | 1128 | 2256 | 3384 | 4512 | 5640 | 6768 | 7896 | 9024 |
| 48 | 288 | 576 | 1152 | 2304 | 3456 | 4608 | 5760 | 6912 | 8064 | 9216 |
| *49* | *294* | *588* | *1176* | *2352* | 3528 | 4704 | 5880 | 7056 | 8232 | 9408 |
| *50* | *300* | *600* | *1200* | *2400* | 3600 | 4800 | 6000 | 7200 | 8400 | 9600 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 24 feet.

| Lngth. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 216 | 240 | 264 | 288 | 312 | 336 | 360 | 384 | 408 | 432 |
| 2 | 432 | 480 | 528 | 576 | 624 | 672 | 720 | 768 | 816 | 864 |
| 3 | 648 | 720 | 792 | 864 | 936 | 1008 | 1080 | 1152 | 1224 | 1296 |
| 4 | 864 | 960 | 1056 | 1152 | 1248 | 1344 | 1440 | 1536 | 1632 | 1728 |
| 5 | 1080 | 1200 | 1320 | 1440 | 1560 | 1680 | 1800 | 1920 | 2040 | 2160 |
| 6 | 1296 | 1440 | 1584 | 1728 | 1872 | 2016 | 2160 | 2304 | 2448 | 2592 |
| 7 | 1512 | 1680 | 1848 | 2016 | 2184 | 2352 | 2520 | 2688 | 2856 | 3024 |
| 8 | 1728 | 1920 | 2212 | 2304 | 2496 | 2688 | 2880 | 3072 | 3264 | 3456 |
| 9 | 1944 | 2160 | 2476 | 2592 | 2808 | 3024 | 3240 | 3456 | 3672 | 3888 |
| 10 | 2160 | 2400 | 2640 | 2880 | 3120 | 3360 | 3600 | 3840 | 4080 | 4320 |
| 11 | 2376 | 2640 | 2904 | 3168 | 3432 | 3696 | 3960 | 4224 | 4488 | 4752 |
| 12 | 2592 | 2880 | 3168 | 3456 | 3744 | 4032 | 4320 | 4608 | 4896 | 5184 |
| 13 | 2808 | 3120 | 3432 | 3744 | 4056 | 4368 | 4680 | 4992 | 5304 | 5616 |
| 14 | 3024 | 3360 | 3696 | 4032 | 4368 | 4794 | 5040 | 5376 | 5712 | 6048 |
| 15 | 3240 | 3600 | 3960 | 4320 | 4680 | 5040 | 5400 | 5760 | 6120 | 6480 |
| 16 | 3456 | 3840 | 4224 | 4608 | 4992 | 5376 | 5760 | 6144 | 6528 | 6912 |
| 17 | 3672 | 4080 | 4488 | 4896 | 5304 | 5712 | 6120 | 6528 | 6936 | 7344 |
| 18 | 3888 | 4320 | 4752 | 5184 | 5616 | 6048 | 6480 | 6912 | 7344 | 7776 |
| 19 | 4104 | 4560 | 5016 | 5472 | 5928 | 6384 | 6840 | 7296 | 7752 | 8208 |
| 20 | 4320 | 4800 | 5280 | 5760 | 6240 | 6720 | 7200 | 7680 | 8160 | 8640 |
| 21 | 4536 | 5040 | 5544 | 6048 | 6552 | 7056 | 7560 | 8064 | 8568 | 9072 |
| 22 | 4752 | 5280 | 5808 | 6336 | 6864 | 7392 | 7920 | 8448 | 8976 | 9504 |
| 23 | 4968 | 5520 | 6072 | 6624 | 7176 | 7728 | 8280 | 8832 | 9384 | 9936 |
| 24 | 5184 | 5760 | 6336 | 6912 | 7488 | 8064 | 8640 | 9216 | 9792 | 10368 |
| 25 | 5400 | 6000 | 6600 | 7200 | 7800 | 8400 | 9000 | 9600 | 10200 | 10800 |
| 26 | 5616 | 6240 | 6864 | 7488 | 8112 | 8736 | 9360 | 9984 | 10608 | 11232 |
| 27 | 5832 | 6480 | 7128 | 7776 | 8424 | 9072 | 9720 | 10368 | 11016 | 11664 |
| 28 | 6048 | 6720 | 7392 | 8064 | 8736 | 9408 | 10080 | 10752 | 11424 | 12096 |
| 29 | 6264 | 6960 | 7656 | 8352 | 9048 | 9744 | 10440 | 11136 | 11832 | 12528 |
| 30 | 6480 | 7200 | 7920 | 8640 | 9360 | 10080 | 10800 | 11520 | 12240 | 12960 |
| 31 | 6696 | 7440 | 8184 | 8928 | 9672 | 10416 | 11160 | 11904 | 12648 | 13392 |
| 32 | 6912 | 7680 | 8448 | 9216 | 9984 | 10752 | 11520 | 12288 | 13056 | 13824 |
| 33 | 7128 | 7920 | 8712 | 9504 | 10296 | 11088 | 11880 | 12672 | 13464 | 14256 |
| 34 | 7344 | 8160 | 8976 | 9792 | 10608 | 11424 | 12240 | 13056 | 13872 | 14688 |
| 35 | 7560 | 8400 | 9240 | 10080 | 10920 | 11760 | 12600 | 13440 | 14280 | 15120 |
| 36 | 7776 | 8640 | 9504 | 10368 | 11232 | 12096 | 12960 | 13824 | 14688 | 15552 |
| 37 | 7992 | 8880 | 9768 | 10656 | 11544 | 12432 | 13320 | 14208 | 15096 | 15984 |
| 38 | 8208 | 9120 | 10032 | 10944 | 11856 | 12768 | 13680 | 14592 | 15504 | 16416 |
| 39 | 8424 | 9360 | 10296 | 11232 | 12168 | 13104 | 14040 | 14976 | 15912 | 16848 |
| 40 | 8640 | 9600 | 10560 | 11520 | 12480 | 13440 | 14400 | 15360 | 16320 | 17280 |
| 41 | 8856 | 9840 | 10824 | 11808 | 12792 | 13776 | 14760 | 15744 | 16728 | 17712 |
| 42 | 9072 | 10080 | 11088 | 12096 | 13104 | 14112 | 15120 | 16128 | 17136 | 18144 |
| 43 | 9988 | 10320 | 11352 | 12384 | 13416 | 14448 | 15480 | 16512 | 17544 | 18576 |
| 44 | 9504 | 10560 | 11616 | 12672 | 13728 | 14784 | 15840 | 16896 | 17952 | 19008 |
| 45 | 9720 | 10800 | 11880 | 12960 | 14040 | 15120 | 16200 | 17280 | 18360 | 19440 |
| 46 | 9936 | 11040 | 12144 | 13348 | 14352 | 15456 | 16560 | 17664 | 18768 | 19872 |
| 47 | 10152 | 11280 | 12408 | 13536 | 14664 | 15792 | 16920 | 18048 | 19176 | 20384 |
| 48 | 10368 | 11520 | 12672 | 13824 | 14976 | 16128 | 17280 | 18432 | 19584 | 20736 |
| 49 | 10584 | 11760 | 12936 | 14112 | 15288 | 16464 | 17640 | 18816 | 19992 | 21168 |
| *50* | *10800* | *12000* | 13200 | 14400 | 15600 | 16800 | 18000 | 19200 | 20400 | 21600 |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 25 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | ¼ ft. | ½ ft. | 1 ft. | 2 ft. | 3 ft. | 4 ft. | 5 ft. | 6 ft. | 7 ft. | 8 ft. |
| 1 | 6¼ | 12½ | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 |
| 2 | 12½ | 25 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 |
| 3 | 18¾ | 37½ | 75 | 150 | 225 | 300 | 375 | 450 | 525 | 600 |
| 4 | 25 | 50 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 |
| 5 | 31¼ | 62½ | 125 | 250 | 375 | 500 | 625 | 750 | 875 | 1000 |
| 6 | 37½ | 75 | 150 | 300 | 450 | 600 | 750 | 900 | 1050 | 1200 |
| 7 | 43¾ | 87½ | 175 | 350 | 525 | 700 | 875 | 1050 | 1225 | 1400 |
| 8 | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
| 9 | 56¼ | 112½ | 225 | 450 | 675 | 900 | 1125 | 1350 | 1575 | 1800 |
| 10 | 62½ | 125 | 250 | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 |
| 11 | 68¾ | 137½ | 275 | 550 | 825 | 1100 | 1375 | 1650 | 1925 | 2200 |
| 12 | 75 | 150 | 300 | 600 | 900 | 1200 | 1500 | 1800 | 2100 | 2400 |
| 13 | 81¼ | 162½ | 325 | 650 | 975 | 1300 | 1625 | 1950 | 2275 | 2600 |
| 14 | 87½ | 175 | 350 | 700 | 1050 | 1400 | 1750 | 2100 | 2450 | 2800 |
| 15 | 93¾ | 187½ | 375 | 750 | 1125 | 1500 | 1875 | 2250 | 2625 | 3000 |
| 16 | 100 | 200 | 400 | 800 | 1200 | 1600 | 2000 | 2400 | 2800 | 3200 |
| 17 | 106¼ | 212½ | 425 | 850 | 1275 | 1700 | 2125 | 2550 | 2975 | 3400 |
| 18 | 112½ | 225 | 450 | 900 | 1350 | 1800 | 2250 | 2700 | 3150 | 3600 |
| 19 | 118¾ | 237½ | 475 | 950 | 1425 | 1900 | 2375 | 2850 | 3325 | 3800 |
| 20 | 125 | 250 | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 |
| 21 | 131¼ | 262½ | 525 | 1050 | 1575 | 2100 | 2625 | 3150 | 3675 | 4200 |
| 22 | 137½ | 275 | 550 | 1100 | 1650 | 2200 | 2750 | 3300 | 3850 | 4400 |
| 23 | 143¾ | 287½ | 575 | 1150 | 1725 | 2300 | 2875 | 3450 | 4025 | 4600 |
| 24 | 150 | 300 | 600 | 1200 | 1800 | 2400 | 3000 | 3600 | 4200 | 4800 |
| 25 | 156¼ | 312½ | 625 | 1250 | 1875 | 2500 | 3125 | 3750 | 4375 | 5000 |
| 26 | 162½ | 325 | 650 | 1300 | 1950 | 2600 | 3250 | 3900 | 4550 | 5200 |
| 27 | 168¾ | 337½ | 675 | 1350 | 2025 | 2700 | 3375 | 4050 | 4725 | 5400 |
| 28 | 175 | 350 | 700 | 1400 | 2100 | 2800 | 3500 | 4200 | 4900 | 5600 |
| 29 | 181¼ | 362½ | 725 | 1450 | 2175 | 2900 | 3625 | 4350 | 5075 | 5800 |
| 30 | 187½ | 375 | 750 | 1500 | 2250 | 3000 | 3750 | 4500 | 5250 | 6000 |
| 31 | 193¾ | 387½ | 775 | 1550 | 2325 | 3100 | 3875 | 4650 | 5425 | 6200 |
| 32 | 200 | 400 | 800 | 1600 | 2400 | 3200 | 4000 | 4800 | 5600 | 6400 |
| 33 | 206¼ | 412½ | 825 | 1650 | 2475 | 3300 | 4125 | 4950 | 5775 | 6600 |
| 34 | 212½ | 425 | 850 | 1700 | 2550 | 3400 | 4250 | 5100 | 5950 | 6800 |
| 35 | 218¾ | 437½ | 875 | 1750 | 2625 | 3500 | 4375 | 5250 | 6125 | 7000 |
| 36 | 225 | 450 | 900 | 1800 | 2700 | 3600 | 4500 | 5400 | 6300 | 7200 |
| 37 | 231¼ | 462½ | 925 | 1850 | 2775 | 3700 | 4625 | 5550 | 6475 | 7400 |
| 38 | 237½ | 475 | 950 | 1900 | 2850 | 3800 | 4750 | 5700 | 6650 | 7600 |
| 39 | 243¾ | 487½ | 975 | 1950 | 2925 | 3900 | 4875 | 5850 | 6825 | 7800 |
| 40 | 250 | 500 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
| 41 | 256¼ | 512½ | 1025 | 2050 | 3075 | 4100 | 5125 | 6150 | 7175 | 8200 |
| 42 | 262½ | 525 | 1050 | 2100 | 3150 | 4200 | 5250 | 6300 | 7350 | 8400 |
| 43 | 268¾ | 537½ | 1075 | 2150 | 3225 | 4300 | 5375 | 6450 | 7525 | 8600 |
| 44 | 275 | 550 | 1100 | 2200 | 3300 | 4400 | 5500 | 6600 | 7700 | 8800 |
| 45 | 281¼ | 562½ | 1125 | 2250 | 3375 | 4500 | 5625 | 6750 | 7875 | 9000 |
| 46 | 287½ | 575 | 1150 | 2300 | 3450 | 4600 | 5750 | 6900 | 8050 | 9200 |
| 47 | 293¾ | 587½ | 1175 | 2350 | 3525 | 4700 | 5875 | 7050 | 8225 | 9400 |
| 48 | 300 | 600 | 1200 | 2400 | 3600 | 4800 | 6000 | 7200 | 8400 | 9600 |
| *49* | *306¼* | *612½* | *1225* | *2450* | *3675* | *4900* | *6125* | *7350* | *8575* | *9800* |
| *50* | *312½* | *625* | *1250* | *2500* | *3750* | *5000* | *6250* | *7500* | *8750* | *10000* |

# TABLE II. *continued.*

## CUBIC CONTENTS OF OBLONG STACKS.

Breadth, 25 feet.

| Length. | Height. | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 ft. | 10 ft. | 11 ft. | 12 ft. | 13 ft. | 14 ft. | 15 ft. | 16 ft. | 17 ft. | 18 ft. |
| 1 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 |
| 2 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 |
| 3 | 675 | 750 | 825 | 900 | 975 | 1050 | 1125 | 1200 | 1275 | 1350 |
| 4 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 |
| 5 | 1125 | 1250 | 1375 | 1500 | 1625 | 1750 | 1875 | 2000 | 2125 | 2250 |
| 6 | 1350 | 1500 | 1650 | 1800 | 1950 | 2100 | 2250 | 2400 | 2550 | 2700 |
| 7 | 1575 | 1750 | 1925 | 2100 | 2275 | 2450 | 2625 | 2800 | 2975 | 3150 |
| 8 | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
| 9 | 2025 | 2250 | 2475 | 2700 | 2925 | 3150 | 3375 | 3600 | 3825 | 4050 |
| 10 | 2250 | 2500 | 2750 | 3000 | 3250 | 3500 | 3750 | 4000 | 4250 | 4500 |
| 11 | 2475 | 2750 | 3025 | 3300 | 3575 | 3850 | 4125 | 4400 | 4675 | 4950 |
| 12 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 | 5100 | 5400 |
| 13 | 2925 | 3250 | 3575 | 3900 | 4225 | 4550 | 4875 | 5200 | 5525 | 5850 |
| 14 | 3150 | 3500 | 3850 | 4200 | 4550 | 4900 | 5250 | 5600 | 5950 | 6300 |
| 15 | 3375 | 3750 | 4125 | 4500 | 4875 | 5250 | 5625 | 6000 | 6375 | 6750 |
| 16 | 3600 | 4000 | 4400 | 4800 | 5200 | 5600 | 6000 | 6400 | 6800 | 7200 |
| 17 | 3825 | 4250 | 4675 | 5100 | 5525 | 5950 | 6375 | 6800 | 7225 | 7650 |
| 18 | 4050 | 4500 | 4950 | 5400 | 5850 | 6300 | 6750 | 7200 | 7650 | 8100 |
| 19 | 4275 | 4750 | 5225 | 5700 | 6175 | 6650 | 7125 | 7600 | 8075 | 8550 |
| 20 | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 |
| 21 | 4725 | 5250 | 5775 | 6300 | 6825 | 7350 | 7875 | 8400 | 8925 | 9450 |
| 22 | 4950 | 5500 | 6050 | 6600 | 7150 | 7700 | 8250 | 8800 | 9350 | 9900 |
| 23 | 5175 | 5750 | 6325 | 6900 | 7475 | 8050 | 8625 | 9200 | 9775 | 10350 |
| 24 | 5400 | 6000 | 6600 | 7200 | 7800 | 8400 | 9000 | 9600 | 10200 | 10800 |
| 25 | 5625 | 6250 | 6875 | 7500 | 8125 | 8750 | 9375 | 10000 | 10625 | 11250 |
| 26 | 5850 | 6500 | 7150 | 7800 | 8450 | 9100 | 9750 | 10400 | 11050 | 11700 |
| 27 | 6075 | 6750 | 7425 | 8100 | 8775 | 9450 | 10125 | 10800 | 11475 | 12150 |
| 28 | 6300 | 7000 | 7700 | 8400 | 9100 | 9800 | 10500 | 11200 | 11900 | 12600 |
| 29 | 6525 | 7250 | 7975 | 8700 | 9425 | 10150 | 10875 | 11600 | 12325 | 13050 |
| 30 | 6750 | 7500 | 8250 | 9000 | 9750 | 10500 | 11250 | 12000 | 12750 | 13500 |
| 31 | 6975 | 7750 | 8525 | 9300 | 10075 | 10850 | 11625 | 12400 | 13175 | 13950 |
| 32 | 7200 | 8000 | 8800 | 9600 | 10400 | 11200 | 12000 | 12800 | 13600 | 14400 |
| 33 | 7425 | 8250 | 9075 | 9900 | 10725 | 11550 | 12375 | 13200 | 14025 | 14850 |
| 34 | 7650 | 8500 | 9350 | 10200 | 11050 | 11900 | 12750 | 13600 | 14450 | 15300 |
| 35 | 7875 | 8750 | 9625 | 10500 | 11375 | 12250 | 13125 | 14000 | 14875 | 15750 |
| 36 | 8100 | 9000 | 9900 | 10800 | 11700 | 12600 | 13500 | 14400 | 15300 | 16200 |
| 37 | 8325 | 9250 | 10175 | 11100 | 12025 | 12950 | 13875 | 14800 | 15725 | 16650 |
| 38 | 8550 | 9500 | 10450 | 11400 | 12350 | 13300 | 14250 | 15200 | 16150 | 17100 |
| 39 | 8775 | 9750 | 10725 | 11700 | 12675 | 13650 | 14625 | 15600 | 16575 | 17550 |
| 40 | 9000 | 10000 | 11000 | 12000 | 13000 | 14000 | 15000 | 16000 | 17000 | 18000 |
| 41 | 9225 | 10250 | 11275 | 12300 | 13325 | 14350 | 15375 | 16400 | 17425 | 18450 |
| 42 | 9450 | 10500 | 11550 | 12600 | 13650 | 14700 | 15750 | 16800 | 17850 | 18900 |
| 43 | 9675 | 10750 | 11825 | 12900 | 13975 | 15050 | 16125 | 17200 | 18275 | 19350 |
| 44 | 9900 | 11000 | 12100 | 13200 | 14300 | 15400 | 16500 | 17600 | 18700 | 19800 |
| 45 | 10125 | 11250 | 12375 | 13500 | 14625 | 15750 | 16875 | 18000 | 19125 | 20250 |
| 46 | 10350 | 11500 | 12650 | 13800 | 14950 | 16100 | 17250 | 18400 | 19550 | 20700 |
| 47 | 10575 | 11750 | 12925 | 14100 | 15275 | 16450 | 17625 | 18800 | 19975 | 21150 |
| 48 | 10800 | 12000 | 13200 | 14400 | 15600 | 16800 | 18000 | 19200 | 20400 | 21600 |
| 49 | 11025 | 12250 | 13475 | 14700 | 15925 | 17150 | 18375 | 19600 | 20825 | 22050 |
| 50 | 11250 | 12500 | 13750 | 15000 | 16250 | 17500 | 18750 | 20000 | 21250 | 22500 |

## TABLE III.

### WEIGHT OF HAY AND STRAW.

SHOWS THE NUMBER OF TONS WEIGHT IN A STACK OF HAY OR STRAW, FROM 5 TO 12,000 CUBIC FEET, AND WEIGHING FROM 4 TO 10¾ LBS. PER CUBIC FOOT.

In the first two pages of the table the content and weight of straw are given, and in the following five pages the weight of hay will be found.

The content of stacks is given in cubic feet, placed in the first or left-hand column, and along the top of the other columns will be found the supposed weight per cubic foot; under which, and opposite any given number of cubic feet, will be found the weight in tons, trusses, and lbs.

*Example* 1.—Having ascertained in Table I. the content of a round stack to be 6305 cubic feet, and estimated it to weigh 7 lbs. per cubic foot, on turning to Table III., p. 52, will be found in the first or left hand column—

| Feet. | | | lbs. | Tons. | trusses. | lbs. |
|---|---|---|---|---|---|---|
| 6250 | opposite, and under | | 7 stands | 19 | 21 | 14 |
| 50 | ,, | ,, | ,, | | 6 | 14 |
| 5 | ,, | ,, | ,, | | | 35 |
| 6305 | | | Content | 19 | 28 | 7 |

*Example* 2.—Having found in Table II. the content of a stack of an oblong form to be 4750 cubic feet, and estimated it to weigh 7¼ lbs. per cubic foot, on turning to Table III., p. 52, will be found in the first or left-hand column 4750 feet; opposite, and under 7¼ lbs. per cubic foot, stands the content, 15 tons 14 trusses 53½ lbs.

*Example* 8.—Having ascertained in Table II. the content of a stack to be 6380 cubic feet, and estimated it to weigh 8½ lbs. per cubic foot, on turning to Table III., p. 53, will be found in the first or left-hand column—

| Feet. | | | lbs. | Tons. | trusses. | lbs. |
|---|---|---|---|---|---|---|
| 6250 | opposite | and under | 8½ stands | 23 | 28 | 37 |
| 100 | ,, | ,, | ,, | | 15 | 10 |
| 25 | ,, | ,, | ,, | | 3 | 44½ |
| 5 | ,, | ,, | ,, | | | 42½ |
| 6380 | | | Content | 24 | 8 | 22 |

In London, and for a distance of 25 miles round, hay is generally bought and sold by the load of 18 cwt. or 36 trusses, weighing 56 lbs. each truss.

New hay, if sold before the 31st of August, must weigh 19 cwt. 1 qr. 4 lbs., or 36 trusses, weighing 60 lbs. each truss.

In the country districts hay is generally bought and sold by the ton of 20 cwt., or 40 trusses, weighing 56 lbs. each truss.

In some parts of the North and West of England, hay is bought and sold by the imperial stone of 14 lbs. weight.

In Scotland, the stone weight varies much, the Dutch, or Trone stone, varies from 17½ to 24 lbs.

The following table shows the comparative number of cubic feet, or cubic yards, in a ton weight of hay or straw, according to the number of pounds weight in a cubic foot, as follows :—

| | Per cubic foot. | Cubic feet per ton. | Cubic yards per ton. |
|---|---|---|---|
| Clover Hay .. | 8½ lbs. .. | 271·515 .. | 10·056 |
| Grass do. .. | 8 ,, .. | 280· .. | 10·370 |
| Tare do. .. | 7 ,, .. | 320· .. | 11·814 |
| Oaten do. .. | 6½ ,, .. | 344·615 .. | 12·763 |
| Wheat Straw .. | 6 ,, .. | 448· .. | 16·592 |
| Oat do. .. | 4½ ,, .. | 497·777 .. | 18·436 |
| Barley do. .. | 4 ,, .. | 560· .. | 20·740 |

The above will be found a fair average weight per cubic foot for hay or straw, provided it has been in stack three

months or more; but should a stack have been set up less than two months it will not weigh so much by a pound per cubic foot.

NOTE.—As the average weight in pounds per cubic foot of hay or straw, so is the equivalent number of cubic feet, or cubic yards, to the ton weight of 2240 lbs.

See Table IV., p. 56.

WEIGHT OF HAY AND STRAW.

| | Cwt. | qrs. | lbs. |
|---|---|---|---|
| A Ton of Old Hay or Straw . . . . | 20 | 0 | 0 |
| A Load of New Hay „ . . . . | 19 | 1 | 4 |
| A Load of Old Hay „ . . . . | 18 | 0 | 0 |
| A Load of Straw . . . . . | 11 | 2 | 8 |

| | |
|---|---|
| 60 lbs. of New Hay . . . . | 1 truss. |
| 56 lbs. of Old Hay . . . . | 1 truss. |
| 40 Trusses of Hay . . . . | 1 ton. |
| 36 Trusses of Hay . . . . | 1 load. |
| 36 lbs. of Straw . . . . . | 1 truss. |
| 36 Trusses of Straw . . . . | 1 load. |

## WEIGHT OF BARK.

Should it ever be found requisite either to value or sell by public auction any quantity of bark in stacks, those who are interested may do well to apply to the author of these Tables, Mr. JOHN STEELE, Witham, Essex, who has gained some considerable experience as to the weight of bark.

# TABLE III.

## WEIGHT OF STRAW.

| | 4 lbs. | | | 4½ lbs. | | | 4½ lbs. | | | 4¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 20 | 0 | 0 | 22 | 0 | 0 | 24 | 0 | 0 | 26 |
| 9 | 0 | 0 | 36 | 0 | 0 | 38½ | 0 | 0 | 40½ | 0 | 0 | 43 |
| 14 | 0 | 1 | 0 | 0 | 1 | 3½ | 0 | 1 | 7 | 0 | 1 | 10½ |
| 25 | 0 | 1 | 44 | 0 | 1 | 50½ | 0 | 2 | 0½ | 0 | 2 | 7 |
| 50 | 0 | 3 | 33 | 0 | 3 | 44½ | 0 | 4 | 1 | 0 | 4 | 14 |
| 75 | 0 | 5 | 20 | 0 | 5 | 39 | 0 | 6 | 1½ | 0 | 6 | 20 |
| 100 | 0 | 7 | 8 | 0 | 7 | 33 | 0 | 8 | 2 | 0 | 8 | 27 |
| 150 | 0 | 10 | 0 | 0 | 11 | 21½ | 0 | 12 | 3 | 0 | 12 | 40½ |
| 250 | 0 | 17 | 48 | 0 | 18 | 54½ | 0 | 20 | 5 | 0 | 21 | 11½ |
| 500 | 0 | 35 | 40 | 0 | 35 | 52 | 1 | 0 | 10 | 1 | 2 | 23 |
| 750 | 1 | 13 | 22 | 1 | 16 | 50½ | 1 | 20 | 15 | 1 | 23 | 34½ |
| 1000 | 1 | 31 | 24 | 1 | 35 | 50 | 2 | 0 | 20 | 2 | 4 | 46 |
| 1250 | 2 | 9 | 16 | 2 | 14 | 48½ | 2 | 20 | 25 | 2 | 26 | 1½ |
| 1500 | 2 | 27 | 8 | 2 | 33 | 47 | 3 | 0 | 30 | 3 | 7 | 13 |
| 1750 | 3 | 5 | 0 | 3 | 12 | 45½ | 3 | 20 | 35 | 3 | 28 | 24½ |
| 2000 | 3 | 22 | 48 | 3 | 31 | 44 | 4 | 0 | 40 | 4 | 9 | 36 |
| 2250 | 4 | 0 | 40 | 4 | 10 | 42½ | 4 | 20 | 45 | 4 | 30 | 47½ |
| 2500 | 4 | 18 | 32 | 4 | 29 | 41 | 5 | 0 | 50 | 5 | 12 | 3 |
| 2750 | 4 | 36 | 24 | 5 | 8 | 39½ | 5 | 20 | 55 | 5 | 33 | 14½ |
| 3000 | 5 | 14 | 16 | 5 | 27 | 38 | 6 | 1 | 4 | 6 | 14 | 26 |
| 3250 | 5 | 32 | 8 | 6 | 6 | 36½ | 6 | 21 | 9 | 6 | 35 | 37½ |
| 3500 | 6 | 10 | 0 | 6 | 25 | 35 | 7 | 1 | 14 | 7 | 16 | 49 |
| 3750 | 6 | 27 | 48 | 7 | 4 | 33½ | 7 | 21 | 19 | 7 | 38 | 4½ |
| 4000 | 7 | 5 | 40 | 7 | 23 | 32 | 8 | 1 | 24 | 8 | 19 | 16 |
| 4250 | 7 | 23 | 32 | 8 | 2 | 30½ | 8 | 21 | 29 | 9 | 0 | 27½ |
| 4500 | 8 | 1 | 24 | 8 | 21 | 29 | 9 | 1 | 34 | 10 | 21 | 39 |
| 4750 | 8 | 19 | 16 | 9 | 0 | 27½ | 9 | 21 | 39 | 11 | 2 | 50½ |
| 5000 | 8 | 37 | 8 | 9 | 19 | 26 | 10 | 1 | 44 | 11 | 24 | 6 |
| 5250 | 9 | 15 | 0 | 9 | 38 | 24½ | 10 | 21 | 49 | 11 | 5 | 17½ |
| 5500 | 9 | 32 | 48 | 10 | 17 | 23 | 11 | 1 | 54 | 11 | 26 | 29 |
| 5750 | 10 | 10 | 40 | 10 | 36 | 21½ | 11 | 22 | 3 | 12 | 7 | 40½ |
| 6000 | 10 | 28 | 32 | 11 | 15 | 20 | 12 | 2 | 8 | 12 | 28 | 52 |
| 6250 | 11 | 6 | 24 | 11 | 34 | 18½ | 12 | 22 | 13 | 13 | 10 | 7½ |
| 6500 | 11 | 24 | 16 | 12 | 13 | 17 | 13 | 2 | 18 | 13 | 31 | 19 |
| 6750 | 12 | 2 | 8 | 12 | 32 | 15½ | 13 | 22 | 23 | 14 | 12 | 30½ |
| 7000 | 12 | 20 | 0 | 13 | 11 | 14 | 14 | 2 | 28 | 14 | 33 | 42 |
| 7250 | 12 | 37 | 48 | 13 | 30 | 12½ | 14 | 22 | 33 | 15 | 14 | 53½ |
| 7500 | 13 | 15 | 40 | 14 | 9 | 11 | 15 | 2 | 38 | 15 | 36 | 9 |
| 7750 | 13 | 33 | 32 | 14 | 28 | 9½ | 15 | 22 | 43 | 16 | 17 | 20½ |
| 8000 | 14 | 11 | 24 | 15 | 7 | 8 | 16 | 2 | 48 | 16 | 38 | 32 |
| 8250 | 14 | 29 | 16 | 15 | 26 | 6½ | 16 | 22 | 53 | 17 | 19 | 43½ |
| 8500 | 15 | 7 | 8 | 16 | 5 | 5 | 17 | 3 | 2 | 18 | 0 | 55 |
| 8750 | 15 | 25 | 0 | 16 | 24 | 3½ | 17 | 23 | 7 | 18 | 22 | 10½ |
| 9000 | 16 | 2 | 48 | 17 | 3 | 2 | 18 | 3 | 12 | 19 | 3 | 22 |
| 9250 | 16 | 20 | 40 | 17 | 22 | 0½ | 18 | 23 | 17 | 19 | 24 | 33½ |
| 9500 | 16 | 38 | 32 | 18 | 0 | 55 | 19 | 3 | 22 | 20 | 5 | 45 |
| 10000 | 17 | 34 | 16 | 18 | 38 | 52 | 20 | 3 | 32 | 21 | 8 | 12 |
| 10500 | 18 | 30 | 0 | 19 | 36 | 49 | 21 | 3 | 42 | 22 | 10 | 35 |
| 11000 | 19 | 25 | 40 | 20 | 34 | 46 | 22 | 3 | 52 | 23 | 13 | 2 |
| 11500 | 21 | 21 | 24 | 21 | 32 | 43 | 23 | 4 | 6 | 24 | 15 | 25 |
| 12000 | 22 | 17 | 8 | 22 | 30 | 40 | 24 | 4 | 16 | 25 | 17 | 48 |

# TABLE III. *continued.*

## WEIGHT OF STRAW.

| | 5 lbs. | | | 5½ lbs. | | | 5½ lbs. | | | 5¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 25 | 0 | 0 | 26¼ | 0 | 0 | 27½ | 0 | 0 | 28¾ |
| 9 | 0 | 0 | 45 | 0 | 0 | 47¼ | 0 | 0 | 49½ | 0 | 0 | 51¾ |
| 14 | 0 | 1 | 14 | 0 | 1 | 17½ | 0 | 1 | 21 | 0 | 1 | 24 |
| 25 | 0 | 2 | 13 | 0 | 2 | 16 | 0 | 2 | 19¼ | 0 | 2 | 22½ |
| 50 | 0 | 4 | 26 | 0 | 4 | 32 | 0 | 4 | 38½ | 0 | 4 | 45 |
| 75 | 0 | 6 | 39 | 0 | 6 | 48 | 0 | 7 | 2 | 0 | 7 | 11 |
| 100 | 0 | 8 | 52 | 0 | 9 | 8½ | 0 | 9 | 21 | 0 | 9 | 33½ |
| 150 | 0 | 13 | 22 | 0 | 13 | 40 | 0 | 14 | 3½ | 0 | 14 | 22 |
| 250 | 0 | 22 | 18 | 0 | 22 | 49 | 0 | 23 | 24½ | 0 | 24 | 0 |
| 500 | 1 | 4 | 36 | 1 | 5 | 42 | 1 | 6 | 49 | 1 | 8 | 0 |
| 750 | 1 | 26 | 54 | 1 | 28 | 36 | 1 | 30 | 17½ | 1 | 31 | 55 |
| 1000 | 2 | 9 | 16 | 2 | 11 | 29 | 2 | 13 | 42 | 2 | 15 | 55 |
| 1250 | 2 | 31 | 34 | 2 | 34 | 22 | 2 | 37 | 10½ | 2 | 39 | 55 |
| 1500 | 3 | 13 | 52 | 3 | 17 | 15½ | 3 | 20 | 35 | 3 | 22 | 54½ |
| 1750 | 3 | 36 | 14 | 4 | 0 | 9 | 4 | 4 | 3½ | 4 | 7 | 54 |
| 2000 | 4 | 18 | 32 | 4 | 23 | 2 | 4 | 27 | 28 | 4 | 31 | 54 |
| 2250 | 5 | 0 | 50 | 5 | 5 | 51 | 5 | 10 | 52½ | 5 | 15 | 54 |
| 2500 | 5 | 23 | 12 | 5 | 28 | 44½ | 5 | 34 | 21 | 5 | 39 | 53½ |
| 2750 | 6 | 5 | 30 | 6 | 11 | 38 | 6 | 17 | 45½ | 6 | 23 | 53 |
| 3000 | 6 | 27 | 48 | 6 | 34 | 31 | 7 | 1 | 14 | 7 | 7 | 53 |
| 3250 | 7 | 10 | 10 | 7 | 17 | 24 | 7 | 24 | 38½ | 7 | 31 | 53 |
| 3500 | 7 | 32 | 28 | 8 | 0 | 17½ | 8 | 8 | 7 | 8 | 15 | 52½ |
| 3750 | 8 | 14 | 46 | 8 | 23 | 10 | 8 | 31 | 31½ | 8 | 39 | 52 |
| 4000 | 8 | 37 | 8 | 9 | 6 | 4 | 9 | 15 | 0 | 9 | 23 | 52 |
| 4250 | 9 | 19 | 26 | 9 | 28 | 53 | 9 | 38 | 24½ | 10 | 7 | 52 |
| 4500 | 10 | 1 | 44 | 10 | 11 | 46½ | 10 | 21 | 49 | 10 | 31 | 51½ |
| 4750 | 10 | 24 | 6 | 10 | 34 | 40 | 11 | 5 | 17½ | 11 | 15 | 51 |
| 5000 | 11 | 6 | 24 | 11 | 17 | 33 | 11 | 28 | 42 | 11 | 39 | 51 |
| 5250 | 11 | 28 | 42 | 12 | 0 | 26 | 12 | 12 | 10½ | 12 | 23 | 51 |
| 5500 | 12 | 11 | 4 | 12 | 23 | 19½ | 12 | 35 | 35 | 13 | 7 | 50½ |
| 5750 | 12 | 33 | 22 | 13 | 6 | 13 | 13 | 19 | 4½ | 13 | 31 | 50 |
| 6000 | 13 | 15 | 40 | 13 | 29 | 6 | 14 | 2 | 28 | 14 | 15 | 50 |
| 6250 | 13 | 38 | 2 | 14 | 11 | 55 | 14 | 26 | 52½ | 14 | 39 | 50 |
| 6500 | 14 | 20 | 20 | 14 | 34 | 48½ | 15 | 9 | 21 | 15 | 23 | 49½ |
| 6750 | 15 | 2 | 38 | 15 | 17 | 42 | 15 | 32 | 45½ | 16 | 7 | 49 |
| 7000 | 15 | 25 | 0 | 16 | 0 | 35 | 16 | 16 | 14 | 16 | 31 | 49 |
| 7250 | 16 | 7 | 18 | 16 | 23 | 28 | 16 | 39 | 38½ | 17 | 15 | 49 |
| 7500 | 16 | 29 | 36 | 17 | 6 | 21½ | 17 | 23 | 7 | 17 | 39 | 48½ |
| 7750 | 17 | 11 | 54 | 17 | 29 | 15 | 18 | 6 | 31½ | 18 | 23 | 48 |
| 8000 | 17 | 34 | 16 | 18 | 12 | 8 | 18 | 30 | 0 | 19 | 7 | 48 |
| 8250 | 18 | 16 | 34 | 18 | 35 | 1 | 19 | 13 | 24½ | 19 | 31 | 48 |
| 8500 | 18 | 38 | 52 | 19 | 17 | 50½ | 19 | 36 | 49 | 20 | 15 | 47½ |
| 8750 | 19 | 21 | 14 | 20 | 0 | 43 | 20 | 20 | 17½ | 20 | 39 | 47 |
| 9000 | 20 | 3 | 32 | 20 | 23 | 37 | 21 | 3 | 42 | 21 | 23 | 47 |
| 9250 | 20 | 25 | 50 | 21 | 6 | 30 | 21 | 27 | 10½ | 22 | 27 | 47 |
| 9500 | 21 | 8 | 12 | 21 | 29 | 23½ | 22 | 10 | 35 | 22 | 31 | 46½ |
| 10000 | 22 | 12 | 48 | 22 | 35 | 10 | 23 | 17 | 28 | 23 | 39 | 46 |
| 10500 | 23 | 17 | 28 | 24 | 0 | 52½ | 24 | 24 | 21 | 25 | 7 | 45½ |
| 11000 | 24 | 22 | 8 | 25 | 6 | 39 | 25 | 31 | 14 | 26 | 15 | 45 |
| *11500* | *25* | *26* | *44* | 26 | 12 | 25½ | 26 | 38 | 7 | 27 | 23 | 44½ |
| *12000* | *26* | *31* | *24* | 27 | 18 | 12 | 28 | 5 | 0 | 28 | 31 | 44 |

# TABLE III. *continued.*

## WEIGHT OF HAY.

| | 6 lbs. | | | 6¼ lbs. | | | 6½ lbs. | | | 6¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 30 | 0 | 0 | 31¼ | 0 | 0 | 32½ | 0 | 0 | 33¾ |
| 9 | 0 | 0 | 54 | 0 | 1 | 0½ | 0 | 1 | 2¼ | 0 | 1 | 4 |
| 14 | 0 | 1 | 28 | 0 | 1 | 31¼ | 0 | 1 | 35 | 0 | 1 | 38¾ |
| 25 | 0 | 2 | 38 | 0 | 2 | 44¼ | 0 | 2 | 50½ | 0 | 3 | 0¾ |
| 50 | 0 | 5 | 20 | 0 | 5 | 32½ | 0 | 5 | 45 | 0 | 6 | 1½ |
| 75 | 0 | 8 | 2 | 0 | 8 | 20¼ | 0 | 8 | 39½ | 0 | 9 | 2¼ |
| 100 | 0 | 10 | 40 | 0 | 11 | 9 | 0 | 11 | 34 | 0 | 12 | 3 |
| 150 | 0 | 16 | 4 | 0 | 16 | 41½ | 0 | 17 | 23 | 0 | 18 | 4½ |
| 250 | 0 | 26 | 44 | 0 | 27 | 50¼ | 0 | 29 | 1 | 0 | 30 | 7½ |
| 500 | 1 | 13 | 32 | 1 | 15 | 45 | 1 | 18 | 2 | 1 | 20 | 15 |
| 750 | 2 | 0 | 20 | 2 | 3 | 39½ | 2 | 7 | 3 | 2 | 10 | 22½ |
| 1000 | 2 | 27 | 8 | 2 | 31 | 34 | 2 | 36 | 4 | 3 | 0 | 30 |
| 1250 | 3 | 13 | 52 | 3 | 19 | 28 | 3 | 25 | 5 | 3 | 30 | 37½ |
| 1500 | 4 | 0 | 40 | 4 | 7 | 23 | 4 | 14 | 6 | 4 | 20 | 45 |
| 1750 | 4 | 27 | 28 | 4 | 35 | 17½ | 5 | 3 | 7 | 5 | 10 | 52½ |
| 2000 | 5 | 14 | 16 | 5 | 23 | 12 | 5 | 32 | 8 | 6 | 1 | 4 |
| 2250 | 6 | 1 | 4 | 6 | 11 | 6½ | 6 | 21 | 9 | 6 | 31 | 11½ |
| 2500 | 6 | 27 | 48 | 6 | 39 | 1 | 7 | 10 | 10 | 7 | 21 | 19 |
| 2750 | 7 | 14 | 36 | 7 | 26 | 51½ | 7 | 39 | 11 | 8 | 11 | 26½ |
| 3000 | 8 | 1 | 24 | 8 | 14 | 46 | 8 | 28 | 12 | 9 | 1 | 34 |
| 3250 | 8 | 28 | 12 | 9 | 2 | 40½ | 9 | 17 | 13 | 9 | 31 | 41½ |
| 3500 | 9 | 15 | 0 | 9 | 30 | 35 | 10 | 6 | 14 | 10 | 21 | 49 |
| 3750 | 10 | 1 | 44 | 10 | 18 | 29½ | 10 | 35 | 15 | 11 | 12 | 0½ |
| 4000 | 10 | 28 | 32 | 11 | 6 | 24 | 11 | 24 | 16 | 12 | 2 | 8 |
| 4250 | 11 | 15 | 20 | 11 | 34 | 18½ | 12 | 13 | 17 | 12 | 32 | 15½ |
| 4500 | 12 | 2 | 8 | 12 | 22 | 13 | 13 | 2 | 18 | 13 | 22 | 23 |
| 4750 | 12 | 28 | 52 | 13 | 10 | 7½ | 13 | 31 | 19 | 14 | 12 | 30½ |
| 5000 | 13 | 15 | 40 | 13 | 38 | 2 | 14 | 20 | 20 | 15 | 2 | 38 |
| 5250 | 14 | 2 | 28 | 14 | 25 | 52½ | 15 | 9 | 21 | 15 | 32 | 45½ |
| 5500 | 14 | 29 | 16 | 15 | 13 | 47 | 15 | 38 | 22 | 16 | 22 | 53 |
| 5750 | 15 | 16 | 4 | 16 | 1 | 41½ | 16 | 27 | 23 | 17 | 13 | 4½ |
| 6000 | 16 | 2 | 48 | 16 | 29 | 36 | 17 | 16 | 24 | 18 | 3 | 12 |
| 6250 | 16 | 29 | 36 | 17 | 17 | 30½ | 18 | 5 | 25 | 18 | 33 | 19½ |
| 6500 | 17 | 16 | 24 | 18 | 5 | 25 | 18 | 34 | 26 | 19 | 23 | 27 |
| 6750 | 18 | 3 | 12 | 18 | 33 | 19½ | 19 | 23 | 27 | 20 | 13 | 34½ |
| 7000 | 18 | 30 | 0 | 19 | 21 | 14 | 20 | 14 | 28 | 21 | 3 | 42 |
| 7250 | 19 | 16 | 44 | 20 | 9 | 8½ | 21 | 1 | 29 | 21 | 33 | 49½ |
| 7500 | 20 | 3 | 32 | 20 | 37 | 3 | 21 | 30 | 30 | 22 | 24 | 1 |
| 7750 | 20 | 30 | 20 | 21 | 4 | 53½ | 22 | 19 | 31 | 23 | 14 | 8½ |
| 8000 | 21 | 17 | 8 | 22 | 12 | 48 | 23 | 8 | 32 | 24 | 4 | 16 |
| 8250 | 22 | 3 | 52 | 23 | 0 | 42½ | 23 | 37 | 33 | 24 | 34 | 22½ |
| 8500 | 22 | 30 | 40 | 23 | 28 | 37 | 24 | 16 | 34 | 25 | 24 | 31 |
| 8750 | 23 | 17 | 48 | 24 | 16 | 31½ | 25 | 15 | 35 | 26 | 14 | 38½ |
| 9000 | 24 | 4 | 16 | 25 | 4 | 26 | 26 | 4 | 36 | 27 | 4 | 46 |
| 9250 | 24 | 31 | 4 | 25 | 32 | 20½ | 26 | 33 | 37 | 27 | 34 | 52½ |
| 9500 | 25 | 17 | 48 | 26 | 20 | 15 | 27 | 23 | 38 | 28 | 25 | 5 |
| 10000 | 26 | 31 | 24 | 27 | 36 | 4 | 29 | 0 | 40 | 30 | 5 | 20 |
| 10500 | 28 | 5 | 0 | 29 | 11 | 41 | 30 | 18 | 42 | 31 | 25 | 35 |
| 11000 | 29 | 18 | 32 | 30 | 27 | 38 | 31 | 36 | 44 | 33 | 5 | 50 |
| 11500 | 30 | 28 | 8 | 32 | 3 | 27 | 33 | 14 | 46 | 34 | 26 | 9 |
| 12000 | 32 | 5 | 40 | 34 | 19 | 16 | 34 | 42 | 48 | 36 | 6 | 24 |

# TABLE III. *continued.*

## WEIGHT OF HAY.

| | 7 lbs. | | | 7½ lbs. | | | 7½ lbs. | | | 7¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 35 | 0 | 0 | 36¾ | 0 | 0 | 37½ | 0 | 0 | 38¾ |
| 9 | 0 | 1 | 7 | 0 | 1 | 9½ | 0 | 1 | 11½ | 0 | 1 | 13¾ |
| 14 | 0 | 1 | 42 | 0 | 1 | 45¾ | 0 | 1 | 49 | 0 | 1 | 52¼ |
| 25 | 0 | 3 | 7 | 0 | 3 | 13½ | 0 | 3 | 19½ | 0 | 3 | 25¾ |
| 50 | 0 | 6 | 14 | 0 | 6 | 26¾ | 0 | 6 | 39 | 0 | 6 | 51½ |
| 75 | 0 | 9 | 21 | 0 | 9 | 39¾ | 0 | 10 | 2½ | 0 | 10 | 21¼ |
| 100 | 0 | 12 | 28 | 0 | 12 | 53 | 0 | 13 | 22 | 0 | 13 | 47 |
| 150 | 0 | 18 | 42 | 0 | 19 | 23½ | 0 | 20 | 5 | 0 | 20 | 42½ |
| 250 | 0 | 31 | 14 | 0 | 32 | 20¾ | 0 | 33 | 27 | 0 | 34 | 33½ |
| 500 | 1 | 22 | 28 | 1 | 24 | 41 | 1 | 26 | 54 | 1 | 29 | 11 |
| 750 | 2 | 13 | 42 | 2 | 17 | 5½ | 2 | 20 | 25 | 2 | 23 | 44½ |
| 1000 | 3 | 5 | 0 | 3 | 9 | 26 | 3 | 13 | 52 | 3 | 18 | 22 |
| 1250 | 3 | 36 | 14 | 4 | 1 | 46½ | 4 | 7 | 23 | 4 | 22 | 55½ |
| 1500 | 4 | 27 | 28 | 4 | 34 | 11 | 5 | 0 | 50 | 5 | 7 | 33 |
| 1750 | 5 | 18 | 42 | 5 | 26 | 31½ | 5 | 24 | 21 | 6 | 2 | 10½ |
| 2000 | 6 | 10 | 0 | 6 | 18 | 52 | 6 | 27 | 48 | 6 | 36 | 44 |
| 2250 | 7 | 1 | 14 | 7 | 11 | 16½ | 7 | 21 | 19 | 7 | 31 | 21½ |
| 2500 | 7 | 32 | 28 | 8 | 3 | 37 | 8 | 14 | 46 | 8 | 25 | 55 |
| 2750 | 8 | 23 | 42 | 8 | 36 | 1½ | 9 | 8 | 17 | 9 | 20 | 22½ |
| 3000 | 9 | 15 | 0 | 9 | 28 | 22 | 10 | 1 | 44 | 10 | 15 | 10 |
| 3250 | 10 | 16 | 14 | 10 | 20 | 42½ | 10 | 35 | 15 | 11 | 9 | 43½ |
| 3500 | 10 | 37 | 28 | 11 | 13 | 7 | 11 | 28 | 42 | 12 | 4 | 21 |
| 3750 | 11 | 28 | 42 | 12 | 5 | 27½ | 12 | 22 | 13 | 12 | 38 | 54½ |
| 4000 | 12 | 20 | 0 | 12 | 37 | 48 | 13 | 15 | 40 | 13 | 33 | 32 |
| 4250 | 13 | 11 | 14 | 13 | 30 | 12½ | 14 | 9 | 11 | 14 | 28 | 9½ |
| 4500 | 14 | 2 | 28 | 14 | 22 | 33 | 15 | 2 | 38 | 15 | 22 | 43 |
| 4750 | 14 | 33 | 42 | 15 | 14 | 53½ | 15 | 36 | 9 | 16 | 16 | 20½ |
| 5000 | 15 | 25 | 0 | 16 | 7 | 18 | 16 | 29 | 36 | 17 | 11 | 54 |
| 5250 | 16 | 16 | 14 | 16 | 39 | 38½ | 17 | 23 | 7 | 18 | 6 | 31½ |
| 5500 | 17 | 7 | 28 | 17 | 32 | 3 | 18 | 16 | 34 | 19 | 1 | 9 |
| 5750 | 17 | 38 | 48 | 18 | 24 | 23½ | 19 | 10 | 5 | 19 | 35 | 42½ |
| 6000 | 18 | 30 | 0 | 19 | 16 | 44 | 20 | 3 | 32 | 20 | 30 | 20 |
| 6250 | 19 | 21 | 14 | 20 | 9 | 8½ | 20 | 37 | 3 | 21 | 24 | 53½ |
| 6500 | 20 | 12 | 28 | 21 | 1 | 29 | 21 | 33 | 30 | 22 | 19 | 31 |
| 6750 | 21 | 3 | 42 | 21 | 33 | 49½ | 22 | 24 | 1 | 23 | 14 | 8½ |
| 7000 | 21 | 25 | 0 | 22 | 26 | 14 | 23 | 17 | 28 | 24 | 8 | 42 |
| 7250 | 22 | 26 | 14 | 23 | 18 | 34½ | 24 | 0 | 55 | 25 | 3 | 19½ |
| 7500 | 23 | 17 | 28 | 24 | 10 | 55 | 25 | 4 | 26 | 25 | 37 | 53 |
| 7750 | 24 | 8 | 42 | 25 | 3 | 19½ | 25 | 37 | 53 | 26 | 32 | 30½ |
| 8000 | 25 | 0 | 0 | 25 | 35 | 40 | 26 | 31 | 24 | 27 | 28 | 8 |
| 8250 | 25 | 31 | 14 | 26 | 28 | 4½ | 27 | 24 | 51 | 28 | 21 | 41½ |
| 8500 | 26 | 32 | 28 | 27 | 20 | 25 | 28 | 18 | 22 | 29 | 26 | 19 |
| 8750 | 27 | 13 | 42 | 28 | 12 | 45½ | 29 | 11 | 49 | 30 | 10 | 52½ |
| 9000 | 28 | 5 | 0 | 29 | 5 | 10 | 30 | 5 | 20 | 31 | 5 | 30 |
| 9250 | 28 | 36 | 14 | 29 | 37 | 30½ | 30 | 38 | 47 | 32 | 0 | 7½ |
| 9500 | 29 | 27 | 28 | 30 | 29 | 51 | 31 | 32 | 18 | 32 | 34 | 41 |
| 10000 | 31 | 10 | 0 | 32 | 14 | 36 | 33 | 19 | 16 | 34 | 23 | 52 |
| 10500 | 32 | 32 | 28 | 33 | 39 | 21 | 35 | 6 | 14 | 36 | 13 | 7 |
| 11000 | 34 | 15 | 0 | 35 | 24 | 6 | 36 | 33 | 12 | 38 | 2 | 18 |
| *11500* | *35* | *37* | *28* | 37 | 8 | 47 | 38 | 20 | 10 | 39 | 31 | 29 |
| *12000* | *37* | *20* | *0* | 38 | 33 | 32 | 40 | 7 | 8 | 41 | 20 | 40 |

# TABLE III. *continued.*

## WEIGHT OF HAY.

| | 8 lbs. | | | 8¼ lbs. | | | 8½ lbs. | | | 8¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 40 | 0 | 0 | 41¼ | 0 | 0 | 42½ | 0 | 0 | 43¾ |
| 9 | 0 | 1 | 16 | 0 | 1 | 18¼ | 0 | 1 | 20½ | 0 | 1 | 22¾ |
| 14 | 0 | 2 | 0 | 0 | 2 | 3¼ | 0 | 2 | 7 | 0 | 2 | 10¾ |
| 25 | 0 | 3 | 32 | 0 | 3 | 38¼ | 0 | 3 | 44½ | 0 | 3 | 50¾ |
| 50 | 0 | 7 | 8 | 0 | 7 | 20¾ | 0 | 7 | 33 | 0 | 7 | 45¾ |
| 75 | 0 | 10 | 40 | 0 | 11 | 2¾ | 0 | 11 | 21½ | 0 | 11 | 40¼ |
| 100 | 0 | 14 | 16 | 0 | 14 | 41 | 0 | 15 | 10 | 0 | 15 | 35 |
| 150 | 0 | 21 | 24 | 0 | 22 | 5½ | 0 | 22 | 43 | 0 | 23 | 24½ |
| 250 | 0 | 35 | 40 | 0 | 36 | 46½ | 0 | 37 | 53 | 0 | 39 | 3½ |
| 500 | 1 | 31 | 24 | 1 | 33 | 37 | 1 | 35 | 50 | 1 | 38 | 7 |
| 750 | 2 | 27 | 38 | 2 | 30 | 27½ | 2 | 33 | 47 | 2 | 37 | 10½ |
| 1000 | 3 | 22 | 48 | 3 | 27 | 18 | 3 | 31 | 44 | 3 | 36 | 14 |
| 1250 | 4 | 18 | 32 | 4 | 24 | 8½ | 4 | 29 | 41 | 4 | 35 | 17½ |
| 1500 | 5 | 14 | 16 | 5 | 20 | 55 | 5 | 27 | 38 | 5 | 34 | 21 |
| 1750 | 6 | 10 | 0 | 6 | 17 | 45½ | 6 | 25 | 35 | 6 | 33 | 24½ |
| 2000 | 7 | 5 | 40 | 7 | 14 | 36 | 7 | 23 | 32 | 7 | 32 | 28 |
| 2250 | 8 | 1 | 24 | 8 | 11 | 26½ | 8 | 21 | 29 | 8 | 31 | 31½ |
| 2500 | 8 | 37 | 8 | 9 | 8 | 17 | 9 | 19 | 26 | 9 | 30 | 35 |
| 2750 | 9 | 32 | 48 | 10 | 5 | 7½ | 10 | 17 | 23 | 10 | 29 | 38½ |
| 3000 | 10 | 28 | 32 | 11 | 1 | 54 | 11 | 15 | 20 | 11 | 28 | 42 |
| 3250 | 11 | 24 | 16 | 11 | 38 | 44½ | 12 | 13 | 17 | 12 | 27 | 45½ |
| 3500 | 12 | 20 | 0 | 12 | 35 | 35 | 13 | 11 | 14 | 13 | 26 | 49 |
| 3750 | 13 | 15 | 40 | 13 | 32 | 25½ | 14 | 9 | 11 | 14 | 25 | 52½ |
| 4000 | 14 | 11 | 24 | 14 | 29 | 16 | 15 | 7 | 8 | 15 | 25 | 0 |
| 4250 | 15 | 7 | 8 | 15 | 26 | 6½ | 16 | 5 | 5 | 16 | 24 | 3½ |
| 4500 | 16 | 2 | 48 | 16 | 22 | 53 | 17 | 3 | 2 | 17 | 23 | 7 |
| 4750 | 16 | 38 | 32 | 17 | 19 | 43½ | 18 | 0 | 55 | 18 | 22 | 10½ |
| 5000 | 17 | 34 | 16 | 18 | 16 | 34 | 18 | 38 | 52 | 19 | 21 | 14 |
| 5250 | 18 | 30 | 0 | 19 | 13 | 24½ | 19 | 36 | 49 | 20 | 20 | 17½ |
| 5500 | 19 | 25 | 40 | 20 | 10 | 15 | 20 | 34 | 26 | 21 | 19 | 21 |
| 5750 | 20 | 21 | 24 | 21 | 7 | 5½ | 21 | 32 | 43 | 22 | 18 | 24½ |
| 6000 | 21 | 17 | 8 | 22 | 3 | 52 | 22 | 30 | 40 | 23 | 17 | 28 |
| 6250 | 22 | 12 | 48 | 23 | 0 | 42½ | 23 | 28 | 37 | 24 | 16 | 31½ |
| 6500 | 23 | 8 | 32 | 23 | 37 | 33 | 24 | 26 | 34 | 25 | 15 | 35 |
| 6750 | 24 | 4 | 16 | 24 | 34 | 23½ | 25 | 24 | 31 | 26 | 14 | 38½ |
| 7000 | 25 | 0 | 0 | 25 | 31 | 14 | 26 | 22 | 28 | 27 | 13 | 42 |
| 7250 | 25 | 35 | 40 | 26 | 28 | 4½ | 27 | 20 | 25 | 28 | 12 | 45½ |
| 7500 | 26 | 31 | 24 | 27 | 24 | 51 | 28 | 18 | 22 | 29 | 11 | 49 |
| 7750 | 27 | 27 | 8 | 28 | 21 | 41½ | 29 | 16 | 19 | 30 | 10 | 52½ |
| 8000 | 28 | 22 | 48 | 29 | 18 | 32 | 30 | 14 | 16 | 31 | 10 | 0 |
| 8250 | 29 | 18 | 32 | 30 | 15 | 22½ | 31 | 12 | 13 | 32 | 9 | 3½ |
| 8500 | 30 | 14 | 16 | 31 | 12 | 13 | 32 | 10 | 10 | 33 | 8 | 7 |
| 8750 | 31 | 10 | 0 | 32 | 9 | 3½ | 33 | 8 | 7 | 34 | 7 | 10½ |
| 9000 | 32 | 5 | 40 | 33 | 5 | 50 | 34 | 6 | 4 | 35 | 6 | 14 |
| 9250 | 33 | 1 | 24 | 34 | 2 | 40½ | 35 | 4 | 1 | 36 | 5 | 17½ |
| 9500 | 33 | 37 | 8 | 34 | 39 | 31 | 36 | 1 | 54 | 37 | 4 | 21 |
| 10000 | 35 | 28 | 32 | 36 | 33 | 12 | 37 | 37 | 48 | 39 | 2 | 28 |
| 10500 | 37 | 20 | 0 | 38 | 26 | 49 | 39 | 33 | 42 | 41 | 0 | 35 |
| 11000 | 39 | 11 | 24 | 40 | 20 | 30 | 41 | 29 | 36 | 42 | 38 | 42 |
| 11500 | 41 | 2 | 48 | 42 | 14 | 11 | 43 | 25 | 30 | 44 | 36 | 49 |
| 12000 | 42 | 34 | 16 | 44 | 7 | 48 | 45 | 21 | 24 | 46 | 35 | 0 |

# TABLE III. *continued.*

## WEIGHT OF HAY.

| | 9 lbs. | | | 9¼ lbs. | | | 9½ lbs. | | | 9¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 45 | 0 | 0 | 47¼ | 0 | 0 | 49½ | 0 | 0 | 51¾ |
| 9 | 0 | 1 | 25 | 0 | 1 | 26¼ | 0 | 1 | 29½ | 0 | 1 | 31¾ |
| 14 | 0 | 2 | 14 | 0 | 2 | 17¼ | 0 | 2 | 21 | 0 | 2 | 24½ |
| 25 | 0 | 4 | 1 | 0 | 4 | 7¼ | 0 | 4 | 13½ | 0 | 4 | 19¾ |
| 50 | 0 | 8 | 2 | 0 | 8 | 14¼ | 0 | 8 | 27 | 0 | 8 | 39½ |
| 75 | 0 | 12 | 3 | 0 | 12 | 21¼ | 0 | 12 | 40½ | 0 | 13 | 3¼ |
| 100 | 0 | 16 | 4 | 0 | 16 | 29 | 0 | 16 | 54 | 0 | 17 | 23 |
| 150 | 0 | 24 | 26 | 0 | 24 | 43½ | 0 | 25 | 25 | 0 | 26 | 6½ |
| 250 | 1 | 0 | 10 | 1 | 1 | 16½ | 1 | 2 | 23 | 1 | 3 | 29½ |
| 500 | 2 | 0 | 20 | 2 | 2 | 33 | 2 | 4 | 46 | 2 | 7 | 3 |
| 750 | 3 | 0 | 30 | 3 | 3 | 49½ | 3 | 7 | 13 | 3 | 10 | 32½ |
| 1000 | 4 | 0 | 40 | 4 | 5 | 10 | 4 | 9 | 36 | 4 | 14 | 6 |
| 1250 | 5 | 0 | 50 | 5 | 6 | 26½ | 5 | 12 | 3 | 5 | 17 | 35½ |
| 1500 | 6 | 1 | 4 | 6 | 7 | 43 | 6 | 14 | 26 | 6 | 21 | 9 |
| 1750 | 7 | 1 | 14 | 7 | 9 | 3½ | 7 | 16 | 49 | 7 | 24 | 38½ |
| 2000 | 8 | 1 | 24 | 8 | 10 | 20 | 8 | 19 | 16 | 8 | 28 | 12 |
| 2250 | 9 | 1 | 34 | 9 | 11 | 36½ | 9 | 21 | 29 | 9 | 31 | 41½ |
| 2500 | 10 | 1 | 44 | 10 | 12 | 53 | 10 | 24 | 6 | 10 | 35 | 15 |
| 2750 | 11 | 1 | 54 | 11 | 14 | 13½ | 11 | 26 | 29 | 11 | 38 | 44½ |
| 3000 | 12 | 2 | 8 | 12 | 15 | 30 | 12 | 28 | 52 | 13 | 2 | 18 |
| 3250 | 13 | 2 | 18 | 13 | 6 | 46½ | 13 | 31 | 19 | 14 | 5 | 47½ |
| 3500 | 14 | 2 | 28 | 14 | 18 | 7 | 14 | 33 | 42 | 15 | 9 | 21 |
| 3750 | 15 | 2 | 38 | 15 | 19 | 23½ | 15 | 36 | 9 | 16 | 12 | 50½ |
| 4000 | 16 | 2 | 48 | 16 | 20 | 40 | 16 | 38 | 32 | 17 | 16 | 24 |
| 4250 | 17 | 3 | 2 | 17 | 22 | 9½ | 18 | 0 | 55 | 18 | 19 | 53½ |
| 4500 | 18 | 3 | 12 | 18 | 23 | 17 | 19 | 3 | 22 | 19 | 23 | 27 |
| 4750 | 19 | 3 | 22 | 19 | 24 | 33½ | 20 | 5 | 45 | 20 | 27 | 0½ |
| 5000 | 20 | 3 | 32 | 20 | 25 | 50 | 21 | 8 | 12 | 21 | 30 | 30 |
| 5250 | 21 | 3 | 42 | 21 | 27 | 10½ | 22 | 10 | 35 | 22 | 34 | 3½ |
| 5500 | 22 | 3 | 52 | 22 | 28 | 27 | 23 | 3 | 2 | 23 | 37 | 33 |
| 5750 | 23 | 4 | 6 | 23 | 29 | 43½ | 24 | 15 | 25 | 25 | 1 | 6½ |
| 6000 | 24 | 4 | 16 | 24 | 31 | 4 | 25 | 17 | 48 | 26 | 4 | 36 |
| 6250 | 25 | 4 | 26 | 25 | 32 | 20½ | 26 | 20 | 15 | 27 | 8 | 9½ |
| 6500 | 26 | 4 | 36 | 26 | 33 | 37 | 27 | 22 | 28 | 28 | 11 | 39 |
| 6750 | 27 | 4 | 46 | 27 | 34 | 53½ | 28 | 25 | 5 | 29 | 15 | 12½ |
| 7000 | 28 | 5 | 0 | 28 | 36 | 14 | 29 | 27 | 28 | 30 | 18 | 42 |
| 7250 | 29 | 5 | 10 | 29 | 37 | 30½ | 30 | 29 | 51 | 31 | 22 | 15½ |
| 7500 | 30 | 5 | 20 | 30 | 38 | 47 | 31 | 32 | 18 | 32 | 25 | 45 |
| 7750 | 31 | 5 | 30 | 32 | 0 | 7½ | 32 | 34 | 41 | 33 | 29 | 18½ |
| 8000 | 32 | 5 | 40 | 33 | 1 | 24 | 33 | 37 | 8 | 34 | 32 | 48 |
| 8250 | 33 | 5 | 50 | 34 | 2 | 40½ | 34 | 39 | 31 | 35 | 36 | 21½ |
| 8500 | 34 | 6 | 4 | 35 | 4 | 1 | 36 | 1 | 54 | 36 | 39 | 51 |
| 8750 | 35 | 6 | 14 | 36 | 5 | 17½ | 37 | 4 | 21 | 38 | 2 | 24½ |
| 9000 | 36 | 6 | 24 | 37 | 6 | 34 | 38 | 6 | 44 | 39 | 6 | 54 |
| 9250 | 37 | 6 | 34 | 38 | 7 | 50½ | 39 | 9 | 11 | 40 | 10 | 27½ |
| 9500 | 38 | 6 | 44 | 39 | 9 | 11 | 40 | 11 | 34 | 41 | 14 | 1 |
| 10000 | 40 | 7 | 8 | 41 | 11 | 44 | 42 | 16 | 24 | 43 | 21 | 4 |
| 10500 | 42 | 7 | 28 | 43 | 14 | 21 | 44 | 21 | 14 | 45 | 28 | 7 |
| 11000 | 44 | 7 | 48 | 45 | 16 | 54 | 46 | 26 | 4 | 47 | 35 | 10 |
| 11500 | 46 | 8 | 12 | 47 | 19 | 31 | 48 | 30 | 50 | 50 | 2 | 13 |
| 12000 | 48 | 8 | 32 | 49 | 22 | 8 | 50 | 35 | 40 | 59 | 9 | 16 |

# TABLE III. *continued.*

## WEIGHT OF HAY.

| | 10lbs. | | | 10¼ lbs. | | | 10½ lbs. | | | 10¾ lbs. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. | tons. | truss. | lbs. |
| 5 | 0 | 0 | 50 | 0 | 0 | 51¼ | 0 | 0 | 52½ | 0 | 0 | 53¾ |
| 9 | 0 | 1 | 34 | 0 | 1 | 36½ | 0 | 1 | 38½ | 0 | 1 | 40¾ |
| 14 | 0 | 2 | 28 | 0 | 2 | 31½ | 0 | 2 | 35 | 0 | 2 | 39¾ |
| 25 | 0 | 4 | 26 | 0 | 4 | 32¼ | 0 | 4 | 38½ | 0 | 4 | 44¾ |
| 50 | 0 | 8 | 52 | 0 | 9 | 8½ | 0 | 9 | 21 | 0 | 9 | 33½ |
| 75 | 0 | 13 | 22 | 0 | 13 | 40¾ | 0 | 14 | 3½ | 0 | 14 | 22¼ |
| 100 | 0 | 17 | 48 | 0 | 18 | 17 | 0 | 18 | 42 | 0 | 19 | 11 |
| 150 | 0 | 26 | 44 | 0 | 27 | 25½ | 0 | 28 | 7 | 0 | 28 | 44½ |
| 250 | 1 | 4 | 36 | 1 | 5 | 42½ | 1 | 6 | 49 | 1 | 7 | 55½ |
| 500 | 2 | 9 | 16 | 2 | 11 | 29 | 2 | 13 | 42 | 2 | 15 | 55 |
| 750 | 3 | 13 | 52 | 3 | 17 | 15½ | 3 | 20 | 35 | 3 | 22 | 54½ |
| 1000 | 4 | 18 | 32 | 4 | 23 | 2 | 4 | 27 | 28 | 4 | 31 | 54 |
| 1250 | 5 | 23 | 12 | 5 | 28 | 44½ | 5 | 34 | 21 | 5 | 39 | 53½ |
| 1500 | 6 | 27 | 48 | 6 | 34 | 31 | 7 | 1 | 14 | 7 | 7 | 53 |
| 1750 | 7 | 32 | 28 | 8 | 0 | 17½ | 8 | 8 | 7 | 8 | 15 | 52½ |
| 2000 | 8 | 37 | 8 | 9 | 6 | 4 | 9 | 15 | 0 | 9 | 23 | 52 |
| 2250 | 10 | 1 | 44 | 10 | 11 | 46½ | 10 | 21 | 49 | 10 | 31 | 51½ |
| 2500 | 11 | 6 | 24 | 11 | 17 | 33 | 11 | 28 | 42 | 11 | 39 | 51 |
| 2750 | 12 | 11 | 4 | 12 | 23 | 19½ | 12 | 35 | 35 | 13 | 7 | 50½ |
| 3000 | 13 | 15 | 40 | 13 | 29 | 6 | 14 | 2 | 28 | 14 | 15 | 50 |
| 3250 | 14 | 20 | 20 | 14 | 34 | 48½ | 15 | 9 | 21 | 15 | 23 | 49½ |
| 3500 | 15 | 25 | 0 | 16 | 0 | 35 | 16 | 16 | 14 | 16 | 31 | 49 |
| 3750 | 16 | 29 | 36 | 17 | 6 | 21½ | 17 | 23 | 7 | 17 | 39 | 48½ |
| 4000 | 17 | 34 | 16 | 18 | 12 | 8 | 18 | 30 | 0 | 19 | 7 | 48 |
| 4250 | 18 | 38 | 52 | 19 | 17 | 50½ | 19 | 36 | 49 | 20 | 15 | 47½ |
| 4500 | 20 | 3 | 32 | 20 | 23 | 37 | 21 | 3 | 42 | 21 | 23 | 47 |
| 4750 | 21 | 8 | 12 | 21 | 29 | 23½ | 22 | 10 | 35 | 22 | 31 | 46½ |
| 5000 | 22 | 12 | 48 | 22 | 35 | 10 | 23 | 17 | 28 | 23 | 39 | 46 |
| 5250 | 23 | 17 | 28 | 24 | 0 | 52½ | 24 | 24 | 21 | 25 | 7 | 45½ |
| 5500 | 24 | 22 | 8 | 25 | 6 | 39 | 25 | 31 | 14 | 26 | 15 | 45 |
| 5750 | 25 | 26 | 44 | 26 | 12 | 25½ | 26 | 38 | 7 | 27 | 23 | 44½ |
| 6000 | 26 | 31 | 24 | 27 | 18 | 12 | 28 | 5 | 0 | 28 | 31 | 44 |
| 6250 | 27 | 36 | 4 | 28 | 23 | 54½ | 29 | 11 | 49 | 29 | 39 | 43½ |
| 6500 | 29 | 0 | 40 | 29 | 29 | 41 | 30 | 18 | 42 | 31 | 7 | 43 |
| 6750 | 30 | 5 | 20 | 30 | 35 | 27½ | 31 | 25 | 35 | 32 | 15 | 42½ |
| 7000 | 31 | 10 | 0 | 32 | 1 | 14 | 32 | 32 | 28 | 33 | 23 | 42 |
| 7250 | 32 | 14 | 36 | 33 | 7 | 0½ | 33 | 39 | 21 | 34 | 31 | 41½ |
| 7500 | 33 | 19 | 16 | 34 | 12 | 43 | 35 | 6 | 14 | 35 | 39 | 41 |
| 7750 | 34 | 23 | 52 | 35 | 18 | 29½ | 36 | 13 | 7 | 37 | 7 | 40½ |
| 8000 | 35 | 28 | 32 | 36 | 24 | 16 | 37 | 20 | 0 | 38 | 15 | 40 |
| 8250 | 36 | 33 | 12 | 37 | 30 | 2½ | 38 | 26 | 49 | 39 | 23 | 39½ |
| 8500 | 37 | 37 | 48 | 38 | 35 | 45 | 39 | 33 | 42 | 40 | 31 | 39 |
| 8750 | 39 | 2 | 28 | 40 | 1 | 31½ | 41 | 0 | 35 | 41 | 39 | 38½ |
| 9000 | 40 | 7 | 8 | 41 | 7 | 18 | 42 | 7 | 28 | 43 | 7 | 38 |
| 9250 | 41 | 11 | 44 | 42 | 13 | 4½ | 43 | 14 | 21 | 44 | 15 | 37½ |
| 9500 | 42 | 16 | 24 | 43 | 18 | 47 | 44 | 21 | 14 | 45 | 23 | 37 |
| 10000 | 44 | 25 | 40 | 45 | 30 | 20 | 46 | 35 | 0 | 47 | 39 | 36 |
| 10500 | 46 | 35 | 0 | 48 | 1 | 49 | 49 | 8 | 42 | 50 | 15 | 35 |
| 11000 | 49 | 4 | 16 | 50 | 13 | 22 | 51 | 22 | 28 | 52 | 31 | 24 |
| 11500 | 51 | 13 | 32 | 52 | 24 | 51 | 53 | 36 | 14 | 55 | 7 | 33 |
| 12000 | 53 | 22 | 48 | 54 | 36 | 24 | 56 | 10 | 0 | 57 | 23 | 32 |

# TABLE IV.

## COMPARATIVE WEIGHT OF HAY.

**Shows the comparative weight of Hay in lbs. per cubic foot, or in lbs. per cubic yard; also imperial stones per cubic yard; also the number of cubic feet to the cwt.; also the number of cubic feet or cubic yards to the ton.**

| To Ft. | To Cwt. | To Ton. | To Yd. | To Ton. | To Yard. |
|---|---|---|---|---|---|
| lbs. | Cubic feet. | Cubic feet. | lbs. | Cubic yards. | Stones. lbs. |
| 1 | 112· | 2240· | 27 | 82·9629 | 1 13 |
| 1¼ | 89·6 | 1780· | 33¾ | 66·37 | 2 5¾ |
| 1⅓ | 74·666 | 1493·333 | 40½ | 55·308 | 2 12½ |
| 1¼ | 64· | 1280· | 47¼ | 47·460 | 3 5¼ |
| 2 | 56· | 1120· | 54 | 41·481 | 3 12 |
| 2¼ | 49·777 | 995·555 | 60¾ | 36·876 | 4 4¾ |
| 2⅔ | 44·8 | 896· | 67½ | 33·185 | 4 11½ |
| 2¾ | 40·727 | 814·363 | 74¼ | 30·168 | 5 4¼ |
| 3 | 37·333 | 746·666 | 81 | 27·777 | 5 11 |
| 3¼ | 34·461 | 689·23 | 87¾ | 25·527 | 6 3¾ |
| 3⅓ | 32· | 640· | 94½ | 23·703 | 6 10½ |
| 3¾ | 29·2 | 597·333 | 101¼ | 22·123 | 7 3¼ |
| 4 | 28· | 560· | 108 | 20·740 | 7 10 |
| 4¼ | 26·352 | 527·105 | 114¾ | 19·303 | 8 2¾ |
| 4⅓ | 24·888 | 497·444 | 121½ | 18·436 | 8 9½ |
| 4¾ | 23·577 | 471·578 | 128¼ | 17·465 | 9 2¼ |
| 5 | 22·4 | 448· | 135 | 16·592 | 9 9 |
| 5¼ | 21·333 | 426·666 | 141¾ | 15·862 | 10 1¾ |
| 5⅓ | 20·363 | 407·272 | 148½ | 15·084 | 10 8½ |
| 5¾ | 19·739 | 389·565 | 155¼ | 14·428 | 11 1¼ |
| 6 | 18·666 | 373·333 | 162 | 13·827 | 11 8 |
| 6¼ | 17·29 | 358·4 | 168¾ | 13·278 | 12 0¾ |
| 6⅓ | 17·23 | 344·615 | 175½ | 12·763 | 12 7½ |
| 6¾ | 16·592 | 331·851 | 182¼ | 12·290 | 13 0¼ |
| 7 | 16· | 320· | 189 | 11·814 | 13 7 |
| 7¼ | 15·448 | 308·965 | 195¾ | 11·443 | 13 13¾ |
| 7⅓ | 14·933 | 298·666 | 202½ | 11·061 | 14 6½ |
| 7¾ | 14·45 | 289·032 | 209¼ | 10·704 | 14 13¼ |
| 8 | 14· | 280· | 216 | 10·370 | 15 6 |
| 8¼ | 13·575 | 271·515 | 222¾ | 10·056 | 15 12¾ |
| 8⅓ | 13·176 | 263·529 | 229½ | 9·760 | 16 5½ |
| 8¾ | 12·8 | 256· | 236¼ | 9·481 | 16 12¼ |
| 9 | 12·444 | 248·888 | 243 | 9·218 | 17 5 |
| 9¼ | 12·108 | 242·162 | 249¾ | 8·968 | 17 11¾ |
| 9⅓ | 11·789 | 235·789 | 256½ | 8·740 | 18 4½ |
| 9¾ | 11·487 | 229·743 | 263¼ | 8·509 | 18 11¼ |
| 10 | 11·2 | 224· | 270 | 8·296 | 19 4 |
| 10¼ | 10·92 | 218·79 | 276¾ | 8·093 | 19 10¾ |
| 10⅓ | 10·666 | 213·333 | 283½ | 7·906 | 20 3½ |
| 10¾ | 10·418 | 208·372 | 290¼ | 7·717 | 20 10¼ |
| 11 | 10.181 | 203·636 | 297 | 7·542 | 21 3 |
| 11¼ | 9·955 | 199·111 | 303¾ | 7·374 | 21 9¾ |
| 11⅓ | 9·739 | 194·782 | 310½ | 7·214 | 22 2½ |
| 11¾ | 9·532 | 190·638 | 317¼ | 7·060 | 22 9¼ |
| 12 | 9·333 | 186·666 | 324 | 7·913 | 23 2 |

# TABLE V.

**Shows the relative or equivalent Weight of Hay by the ton weighing 20 cwt., or by the load of 18 cwt., or by the stone of 14 lbs. Also, loads are converted into tons; also in stones.**

| tons. | loads. | cwt. | stones. | loads. | tons. | cwts. | stones |
|---|---|---|---|---|---|---|---|
| ¼ | 0 | 5 | 40 | ¼ | 0 | 4½ | 36 |
| ½ | 0 | 10 | 80 | ½ | 0 | 9 | 72 |
| 1 | 1 | 2 | 160 | 1 | 0 | 18 | 144 |
| 2 | 2 | 4 | 320 | 2 | 1 | 16 | 288 |
| 3 | 3 | 6 | 480 | 3 | 2 | 14 | 432 |
| 4 | 4 | 8 | 640 | 4 | 3 | 12 | 576 |
| 5 | 5 | 10 | 800 | 5 | 4 | 10 | 720 |
| 6 | 6 | 12 | 960 | 6 | 5 | 8 | 864 |
| 7 | 7 | 14 | 1120 | 7 | 6 | 6 | 1008 |
| 8 | 8 | 16 | 1280 | 8 | 7 | 4 | 1152 |
| 9 | 10 | 0 | 1440 | 9 | 8 | 2 | 1296 |
| 10 | 11 | 2 | 1600 | 10 | 9 | 0 | 1440 |
| 11 | 12 | 4 | 1760 | 11 | 9 | 18 | 1584 |
| 12 | 13 | 6 | 1920 | 12 | 10 | 16 | 1728 |
| 13 | 14 | 8 | 2080 | 13 | 11 | 14 | 1872 |
| 14 | 15 | 10 | 2240 | 14 | 12 | 12 | 2016 |
| 15 | 16 | 12 | 2400 | 15 | 13 | 10 | 2160 |
| 16 | 17 | 14 | 2560 | 16 | 14 | 8 | 2304 |
| 17 | 18 | 16 | 2720 | 17 | 15 | 6 | 2448 |
| 18 | 20 | 0 | 2880 | 18 | 16 | 4 | 2592 |
| 19 | 21 | 2 | 3040 | 19 | 17 | 2 | 2736 |
| 20 | 22 | 4 | 3200 | 20 | 18 | 0 | 2880 |
| 21 | 23 | 6 | 3360 | 21 | 18 | 18 | 3024 |
| 22 | 24 | 8 | 3520 | 22 | 19 | 16 | 3168 |
| 23 | 25 | 10 | 3680 | 23 | 20 | 14 | 3312 |
| 24 | 26 | 12 | 3840 | 24 | 21 | 12 | 3456 |
| 25 | 27 | 14 | 4000 | 25 | 22 | 10 | 3600 |
| 26 | 28 | 16 | 4160 | 26 | 23 | 8 | 3744 |
| 27 | 30 | 0 | 4320 | 27 | 24 | 6 | 3888 |
| 28 | 31 | 2 | 4480 | 28 | 25 | 4 | 4032 |
| 29 | 32 | 4 | 4640 | 29 | 26 | 2 | 4176 |
| 30 | 33 | 6 | 4800 | 30 | 27 | 0 | 4320 |
| 31 | 34 | 8 | 4960 | 31 | 27 | 18 | 4464 |
| 32 | 35 | 10 | 5120 | 32 | 28 | 16 | 4608 |
| 33 | 36 | 12 | 5280 | 33 | 29 | 14 | 4752 |
| 34 | 37 | 14 | 5440 | 34 | 30 | 12 | 4896 |
| 35 | 38 | 16 | 5600 | 35 | 31 | 10 | 5040 |
| 36 | 40 | 0 | 5760 | 36 | 32 | 8 | 5184 |
| 37 | 41 | 2 | 5920 | 37 | 33 | 6 | 5328 |
| 38 | 42 | 4 | 6080 | 38 | 34 | 4 | 5472 |
| 39 | 43 | 6 | 6240 | 39 | 35 | 2 | 5616 |
| 40 | 44 | 8 | 6400 | 40 | 36 | 0 | 5760 |
| 41 | 45 | 10 | 6560 | 41 | 36 | 18 | 5904 |
| 42 | 46 | 12 | 6720 | 42 | 37 | 16 | 6048 |
| 43 | 47 | 14 | 6880 | 43 | 38 | 14 | 6192 |
| 44 | 48 | 16 | 7040 | 44 | 39 | 12 | 6336 |
| 45 | 49 | 18 | 7200 | 45 | 40 | 10 | 6480 |
| 46 | 51 | 2 | 7360 | 46 | 41 | 8 | 6624 |
| 47 | 52 | 4 | 7520 | 47 | 42 | 6 | 6768 |
| 48 | 53 | 6 | 7680 | 48 | 43 | 4 | 6912 |
| 49 | 54 | 8 | 7840 | 49 | 44 | 2 | 7056 |
| 50 | 55 | 10 | 8000 | 50 | 45 | 0 | 7200 |

equal to

equal to

# TABLE VI.

**Shows the relative or equivalent Weight of Straw, either by the ton of 20 cwt., in loads weighing 11 cwt. 2 qrs. 8 lbs., or in stones of 14 lbs. Also, by the load of 11 cwt. 2 qrs. 8lbs. in tons, cwt., qrs., lbs.; also in stones.**

| tons. | loads. | truss. | lbs. | stones. | loads. | tons. | cwt. | qrs. | lbs. | stones. | lbs. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ¼ | 0 | 15 | 20 | 40 | ¼ | 0 | 2 | 3 | 16 | 23 | 2 |
| ½ | 0 | 31 | 4 | 80 | ½ | 0 | 5 | 3 | 4 | 46 | 4 |
| 1 | 1 | 26 | 8 | 160 | 1 | 0 | 11 | 2 | 8 | 92 | 8 |
| 2 | 3 | 16 | 16 | 320 | 2 | 1 | 3 | 0 | 16 | 185 | 2 |
| 3 | 5 | 6 | 24 | 480 | 3 | 1 | 14 | 2 | 24 | 277 | 10 |
| 4 | 6 | 32 | 32 | 640 | 4 | 2 | 6 | 1 | 4 | 370 | 4 |
| 5 | 8 | 23 | 4 | 800 | 5 | 2 | 17 | 3 | 12 | 462 | 12 |
| 6 | 10 | 13 | 12 | 960 | 6 | 3 | 9 | 1 | 20 | 555 | 6 |
| 7 | 12 | 3 | 20 | 1120 | 7 | 4 | 1 | 0 | 0 | 648 | 0 |
| 8 | 13 | 29 | 28 | 1280 | 8 | 4 | 12 | 2 | 8 | 740 | 8 |
| 9 | 15 | 20 | 0 | 1440 | 9 | 5 | 4 | 0 | 16 | 833 | 2 |
| 10 | 17 | 10 | 8 | 1600 | 10 | 5 | 15 | 2 | 24 | 925 | 10 |
| 11 | 19 | 1 | 16 | 1760 | 11 | 6 | 7 | 1 | 4 | 1018 | 4 |
| 12 | 20 | 26 | 24 | 1920 | 12 | 6 | 18 | 3 | 12 | 1110 | 12 |
| 13 | 22 | 16 | 32 | 2080 | 13 | 7 | 10 | 1 | 20 | 1203 | 6 |
| 14 | 24 | 7 | 4 | 2240 | 14 | 8 | 2 | 0 | 0 | 1296 | 0 |
| 15 | 25 | 33 | 12 | 2400 | 15 | 8 | 13 | 2 | 8 | 1388 | 8 |
| 16 | 27 | 23 | 20 | 2560 | 16 | 9 | 5 | 0 | 16 | 1481 | 2 |
| 17 | 29 | 13 | 28 | 2720 | 17 | 9 | 16 | 2 | 24 | 1573 | 10 |
| 18 | 31 | 4 | 0 | 2880 | 18 | 10 | 8 | 1 | 4 | 1666 | 4 |
| 19 | 32 | 30 | 8 | 3040 | 19 | 10 | 19 | 3 | 12 | 1758 | 12 |
| 20 | 34 | 20 | 16 | 3200 | 20 | 11 | 11 | 1 | 20 | 1851 | 6 |
| 21 | 36 | 10 | 24 | 3360 | 21 | 12 | 3 | 0 | 0 | 1944 | 0 |
| 22 | 38 | 0 | 32 | 3520 | 22 | 12 | 14 | 2 | 8 | 2036 | 8 |
| 23 | 39 | 27 | 4 | 3680 | 23 | 13 | 6 | 0 | 16 | 2129 | 2 |
| 24 | 41 | 17 | 12 | 3840 | 24 | 13 | 17 | 2 | 24 | 2221 | 10 |
| 25 | 43 | 7 | 20 | 4000 | 25 | 14 | 9 | 1 | 4 | 2314 | 4 |
| 26 | 44 | 33 | 28 | 4160 | 26 | 15 | 0 | 3 | 12 | 2406 | 12 |
| 27 | 46 | 24 | 0 | 4320 | 27 | 15 | 12 | 1 | 20 | 2499 | 6 |
| 28 | 48 | 14 | 8 | 4480 | 28 | 16 | 4 | 0 | 0 | 2592 | 0 |
| 29 | 50 | 4 | 16 | 4640 | 29 | 16 | 15 | 2 | 8 | 2684 | 8 |
| 30 | 51 | 30 | 24 | 4800 | 30 | 17 | 7 | 0 | 16 | 2777 | 2 |
| 31 | 53 | 20 | 32 | 4960 | 31 | 17 | 18 | 2 | 24 | 2869 | 10 |
| 32 | 55 | 11 | 4 | 5120 | 32 | 18 | 10 | 1 | 4 | 2962 | 4 |
| 33 | 57 | 1 | 12 | 5280 | 33 | 19 | 1 | 3 | 12 | 3054 | 12 |
| 34 | 58 | 27 | 20 | 5440 | 34 | 19 | 13 | 1 | 20 | 3147 | 6 |
| 35 | 60 | 17 | 28 | 5600 | 35 | 20 | 5 | 0 | 0 | 3240 | 0 |
| 36 | 62 | 8 | 0 | 5760 | 36 | 20 | 16 | 2 | 8 | 3332 | 8 |
| 37 | 63 | 34 | 8 | 5920 | 37 | 21 | 8 | 0 | 16 | 3425 | 2 |
| 38 | 65 | 24 | 16 | 6080 | 38 | 21 | 19 | 2 | 24 | 3517 | 10 |
| 39 | 67 | 14 | 24 | 6240 | 39 | 22 | 11 | 1 | 4 | 3610 | 4 |
| 40 | 69 | 4 | 32 | 6400 | 40 | 23 | 2 | 3 | 12 | 3702 | 12 |
| 41 | 70 | 31 | 4 | 6560 | 41 | 23 | 14 | 1 | 20 | 3795 | 6 |
| 42 | 72 | 21 | 12 | 6720 | 42 | 24 | 6 | 0 | 0 | 3888 | 0 |
| 43 | 74 | 11 | 20 | 6880 | 43 | 24 | 17 | 2 | 8 | 3980 | 8 |
| 44 | 76 | 1 | 28 | 7040 | 44 | 25 | 9 | 0 | 16 | 4073 | 2 |
| 45 | 77 | 28 | 0 | 7200 | 45 | 26 | 0 | 2 | 24 | 4165 | 10 |
| 46 | 79 | 18 | 8 | 7360 | 46 | 26 | 12 | 1 | 4 | 4258 | 4 |
| 47 | 81 | 8 | 16 | 7520 | 47 | 27 | 3 | 3 | 12 | 4350 | 12 |
| 48 | 82 | 34 | 24 | 7680 | 48 | 27 | 15 | 1 | 20 | 4442 | 6 |
| 49 | 84 | 24 | 32 | 7840 | 49 | 28 | 7 | 0 | 0 | 4536 | 0 |
| 50 | 86 | 15 | 4 | 8000 | 50 | 28 | 18 | 2 | 8 | 4628 | 8 |

equal to

equal to

# TABLE VII.

Shows the number of cubic yards, also the number of cart-loads containing 30, 35, 40, 45, and 50 feet each, in a Clamp of Manure of any given size from 25 to 12,000 cubic f et.

| | Cubic yard. | | 30 ft. | | 35 ft. | | 40 ft. | | 45 ft. | | 50 ft. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cubic ft. | yds. | ft. | lds. | ft. | lds. | ft. | lds. | ft. | lds. | ft. | lds. | ft. |
| 25 | 0 | 25 | 0 | 25 | 0 | 25 | 0 | 25 | 0 | 25 | 0 | 25 |
| 50 | 1 | 23 | 1 | 20 | 1 | 15 | 1 | 10 | 1 | 5 | 1 | 0 |
| 75 | 2 | 21 | 2 | 15 | 2 | 5 | 1 | 35 | 1 | 30 | 1 | 25 |
| 100 | 3 | 19 | 3 | 10 | 2 | 30 | 2 | 20 | 2 | 10 | 2 | 0 |
| 150 | 5 | 15 | 5 | 0 | 4 | 10 | 3 | 30 | 3 | 15 | 3 | 0 |
| 250 | 9 | 7 | 8 | 10 | 7 | 5 | 6 | 10 | 5 | 25 | 5 | 0 |
| 500 | 18 | 14 | 16 | 20 | 14 | 10 | 12 | 20 | 11 | 5 | 10 | 0 |
| 750 | 27 | 21 | 25 | 0 | 21 | 15 | 18 | 30 | 16 | 30 | 15 | 0 |
| 1000 | 37 | 1 | 33 | 10 | 28 | 20 | 25 | 0 | 22 | 10 | 20 | 0 |
| 1250 | 46 | 8 | 41 | 20 | 35 | 25 | 31 | 10 | 27 | 35 | 25 | 0 |
| 1500 | 55 | 15 | 50 | 0 | 42 | 30 | 37 | 20 | 33 | 15 | 30 | 0 |
| 1750 | 64 | 22 | 58 | 10 | 50 | 0 | 43 | 30 | 38 | 40 | 35 | 0 |
| 2000 | 74 | 2 | 66 | 20 | 57 | 5 | 50 | 0 | 44 | 20 | 40 | 0 |
| 2250 | 83 | 9 | 75 | 0 | 64 | 10 | 56 | 10 | 50 | 0 | 45 | 0 |
| 2500 | 92 | 16 | 83 | 10 | 71 | 15 | 62 | 20 | 55 | 25 | 50 | 0 |
| 2750 | 101 | 23 | 91 | 20 | 78 | 20 | 68 | 30 | 61 | 5 | 55 | 0 |
| 3000 | 111 | 3 | 100 | 0 | 85 | 25 | 75 | 0 | 66 | 30 | 60 | 0 |
| 3250 | 120 | 10 | 108 | 10 | 92 | 30 | 81 | 10 | 72 | 10 | 65 | 0 |
| 3500 | 129 | 17 | 116 | 20 | 100 | 0 | 87 | 20 | 77 | 35 | 70 | 0 |
| 3750 | 138 | 24 | 125 | 0 | 107 | 5 | 93 | 30 | 83 | 15 | 75 | 0 |
| 4000 | 148 | 4 | 133 | 10 | 114 | 10 | 100 | 0 | 88 | 40 | 80 | 0 |
| 4250 | 157 | 11 | 141 | 20 | 121 | 15 | 106 | 10 | 94 | 20 | 85 | 0 |
| 4500 | 166 | 18 | 150 | 0 | 128 | 20 | 112 | 20 | 100 | 0 | 90 | 0 |
| 4750 | 175 | 25 | 158 | 10 | 135 | 25 | 118 | 30 | 105 | 25 | 95 | 0 |
| 5000 | 185 | 5 | 166 | 20 | 142 | 30 | 125 | 0 | 111 | 5 | 100 | 0 |
| 5250 | 194 | 12 | 175 | 0 | 150 | 0 | 131 | 10 | 116 | 30 | 105 | 0 |
| 5500 | 203 | 19 | 183 | 10 | 157 | 5 | 137 | 20 | 122 | 10 | 110 | 0 |
| 5750 | 212 | 26 | 191 | 20 | 164 | 10 | 143 | 30 | 127 | 35 | 115 | 0 |
| 6000 | 222 | 6 | 200 | 0 | 171 | 15 | 150 | 0 | 133 | 15 | 120 | 0 |
| 6250 | 231 | 13 | 208 | 10 | 178 | 20 | 156 | 10 | 138 | 40 | 125 | 0 |
| 6500 | 240 | 20 | 216 | 20 | 185 | 25 | 162 | 20 | 144 | 20 | 130 | 0 |
| 6750 | 250 | 0 | 225 | 0 | 192 | 30 | 168 | 30 | 150 | 0 | 135 | 0 |
| 7000 | 259 | 7 | 233 | 10 | 200 | 0 | 175 | 0 | 155 | 25 | 140 | 0 |
| 7250 | 268 | 14 | 241 | 20 | 207 | 5 | 181 | 10 | 161 | 5 | 145 | 0 |
| 7500 | 277 | 21 | 250 | 0 | 214 | 10 | 187 | 20 | 166 | 30 | 150 | 0 |
| 7750 | 287 | 1 | 258 | 10 | 221 | 15 | 193 | 30 | 172 | 10 | 155 | 0 |
| 8000 | 296 | 8 | 266 | 20 | 228 | 20 | 200 | 0 | 177 | 35 | 160 | 0 |
| 8250 | 305 | 15 | 275 | 0 | 235 | 25 | 206 | 10 | 183 | 15 | 165 | 0 |
| 8500 | 314 | 22 | 283 | 10 | 242 | 30 | 212 | 20 | 188 | 40 | 170 | 0 |
| 8750 | 324 | 2 | 291 | 20 | 250 | 0 | 218 | 30 | 194 | 20 | 175 | 0 |
| 9000 | 333 | 9 | 300 | 0 | 257 | 5 | 225 | 0 | 200 | 0 | 180 | 0 |
| 9250 | 342 | 16 | 308 | 10 | 264 | 10 | 231 | 10 | 205 | 25 | 185 | 0 |
| 9500 | 351 | 23 | 316 | 20 | 271 | 15 | 237 | 20 | 211 | 5 | 190 | 0 |
| 9750 | 361 | 3 | 325 | 0 | 278 | 20 | 243 | 30 | 216 | 30 | 195 | 0 |
| 10000 | 370 | 10 | 333 | 10 | 285 | 24 | 250 | 0 | 222 | 10 | 200 | 0 |
| 10250 | 379 | 17 | 341 | 20 | 292 | 30 | 256 | 10 | 227 | 35 | 205 | 0 |
| 10500 | 388 | 24 | 350 | 0 | 300 | 0 | 262 | 20 | 233 | 15 | 210 | 0 |
| 11000 | 407 | 11 | 366 | 20 | 314 | 10 | 275 | 0 | 244 | 20 | 220 | 0 |
| 11500 | 425 | 25 | 383 | 10 | 328 | 20 | 287 | 20 | 255 | 25 | 230 | 0 |
| 12000 | 444 | 12 | 400 | 0 | 342 | 30 | 300 | 0 | 266 | 30 | 240 | 0 |

# TABLE VIII.

Shows the Price of any Commodity, either by the stone of 8 lbs., by the stone of 14 lbs., by the score of 20 lbs., by the cwt. of 112 lbs., or by the ton of 20 cwt., from $\frac{1}{8}$ of a penny per lb. upwards.

| Per lb. | Per 8 lbs. | | Per 14 lbs. | | Per 20 lbs. | | Per Cwt. | | | Per Ton. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d. | s. | d. | s. | d. | s. | d. | £ | s. | d. | £ | s. | d. |
| $0\frac{1}{8}$ | 0 | 1 | 0 | $1\frac{3}{4}$ | 0 | $2\frac{1}{2}$ | 0 | 1 | 2 | 1 | 3 | 4 |
| $0\frac{1}{4}$ | 0 | 2 | 0 | $3\frac{1}{2}$ | 0 | 5 | 0 | 2 | 4 | 2 | 6 | 8 |
| $0\frac{3}{8}$ | 0 | 3 | 0 | $5\frac{1}{4}$ | 0 | $7\frac{1}{2}$ | 0 | 3 | 6 | 3 | 10 | 0 |
| $0\frac{1}{2}$ | 0 | 4 | 0 | 7 | 0 | 10 | 0 | 4 | 8 | 4 | 13 | 4 |
| $0\frac{5}{8}$ | 0 | 5 | 0 | $8\frac{3}{4}$ | 1 | $0\frac{1}{2}$ | 0 | 5 | 10 | 5 | 16 | 8 |
| $0\frac{3}{4}$ | 0 | 6 | 0 | $10\frac{1}{2}$ | 1 | 3 | 0 | 7 | 0 | 7 | 0 | 0 |
| $0\frac{7}{8}$ | 0 | 7 | 1 | $1\frac{1}{4}$ | 1 | $5\frac{1}{2}$ | 0 | 8 | 2 | 8 | 3 | 4 |
| 1 | 0 | 8 | 1 | 2 | 1 | 8 | 0 | 9 | 4 | 9 | 6 | 8 |
| $1\frac{1}{8}$ | 0 | 9 | 1 | $3\frac{1}{4}$ | 1 | $10\frac{1}{2}$ | 0 | 10 | 6 | 10 | 10 | 0 |
| $1\frac{1}{4}$ | 0 | 10 | 1 | $5\frac{1}{2}$ | 2 | 1 | 0 | 11 | 8 | 11 | 13 | 4 |
| $1\frac{3}{8}$ | 0 | 11 | 1 | $7\frac{1}{4}$ | 2 | $3\frac{1}{2}$ | 0 | 12 | 10 | 12 | 16 | 8 |
| $1\frac{1}{2}$ | 1 | 0 | 1 | 9 | 2 | 6 | 0 | 14 | 0 | 14 | 0 | 0 |
| $1\frac{5}{8}$ | 1 | 1 | 1 | $10\frac{3}{4}$ | 2 | $8\frac{1}{2}$ | 0 | 15 | 2 | 15 | 3 | 4 |
| $1\frac{3}{4}$ | 1 | 2 | 2 | $0\frac{1}{2}$ | 2 | 11 | 0 | 16 | 4 | 16 | 6 | 8 |
| $1\frac{7}{8}$ | 1 | 3 | 2 | $2\frac{1}{4}$ | 3 | $1\frac{1}{2}$ | 0 | 17 | 6 | 17 | 10 | 0 |
| 2 | 1 | 4 | 2 | 4 | 3 | 4 | 0 | 18 | 8 | 18 | 3 | 4 |
| $2\frac{1}{8}$ | 1 | 5 | 2 | $5\frac{3}{4}$ | 3 | $6\frac{1}{2}$ | 0 | 19 | 10 | 19 | 16 | 8 |
| $2\frac{1}{4}$ | 1 | 6 | 2 | $7\frac{1}{2}$ | 3 | 9 | 1 | 1 | 0 | 21 | 0 | 0 |
| $2\frac{3}{8}$ | 1 | 7 | 2 | $9\frac{1}{4}$ | 3 | $11\frac{1}{2}$ | 1 | 2 | 2 | 22 | 3 | 4 |
| $2\frac{1}{2}$ | 1 | 8 | 2 | 11 | 4 | 2 | 1 | 3 | 4 | 23 | 6 | 8 |
| $2\frac{5}{8}$ | 1 | 9 | 3 | $0\frac{3}{4}$ | 4 | $4\frac{1}{2}$ | 1 | 4 | 6 | 24 | 10 | 0 |
| $2\frac{3}{4}$ | 1 | 10 | 3 | $2\frac{1}{2}$ | 4 | 7 | 1 | 5 | 8 | 25 | 13 | 4 |
| $2\frac{7}{8}$ | 1 | 11 | 3 | $4\frac{1}{4}$ | 4 | $9\frac{1}{2}$ | 1 | 6 | 10 | 26 | 16 | 8 |
| 3 | 2 | 0 | 3 | 6 | 5 | 0 | 1 | 8 | 0 | 28 | 0 | 0 |
| $3\frac{1}{8}$ | 2 | 1 | 3 | $7\frac{3}{4}$ | 5 | $2\frac{1}{2}$ | 1 | 9 | 2 | 29 | 3 | 4 |
| $3\frac{1}{4}$ | 2 | 2 | 3 | $9\frac{1}{2}$ | 5 | 5 | 1 | 10 | 4 | 30 | 6 | 8 |
| $3\frac{3}{8}$ | 2 | 3 | 3 | $11\frac{1}{4}$ | 5 | $7\frac{1}{2}$ | 1 | 11 | 6 | 31 | 10 | 0 |
| $3\frac{1}{2}$ | 2 | 4 | 4 | 1 | 5 | 10 | 1 | 12 | 8 | 32 | 13 | 4 |
| $3\frac{5}{8}$ | 2 | 5 | 4 | $2\frac{3}{4}$ | 6 | $0\frac{1}{2}$ | 1 | 13 | 10 | 33 | 16 | 8 |
| $3\frac{3}{4}$ | 2 | 6 | 4 | $4\frac{1}{2}$ | 6 | 3 | 1 | 15 | 0 | 35 | 0 | 0 |
| $3\frac{7}{8}$ | 2 | 7 | 4 | $6\frac{1}{4}$ | 6 | $5\frac{1}{2}$ | 1 | 16 | 2 | 36 | 3 | 4 |
| 4 | 2 | 8 | 4 | 8 | 6 | 8 | 1 | 17 | 4 | 37 | 6 | 8 |
| $4\frac{1}{8}$ | 2 | 9 | 4 | $9\frac{3}{4}$ | 6 | $10\frac{1}{2}$ | 1 | 18 | 6 | 38 | 10 | 0 |
| $4\frac{1}{4}$ | 2 | 10 | 4 | $11\frac{1}{2}$ | 7 | 1 | 1 | 19 | 8 | 39 | 13 | 4 |
| $4\frac{3}{8}$ | 2 | 11 | 5 | $1\frac{1}{4}$ | 7 | $3\frac{1}{2}$ | 2 | 0 | 10 | 40 | 16 | 8 |
| $4\frac{1}{2}$ | 3 | 0 | 5 | 3 | 7 | 6 | 2 | 2 | 0 | 42 | 0 | 0 |
| $4\frac{5}{8}$ | 3 | 1 | 5 | $4\frac{3}{4}$ | 7 | $8\frac{1}{2}$ | 2 | 3 | 2 | 43 | 3 | 4 |
| $4\frac{3}{4}$ | 3 | 2 | 5 | $6\frac{1}{2}$ | 7 | 11 | 2 | 4 | 4 | 44 | 6 | 8 |
| $4\frac{7}{8}$ | 3 | 3 | 5 | $8\frac{1}{4}$ | 8 | $1\frac{1}{2}$ | 2 | 5 | 6 | 45 | 10 | 0 |
| 5 | 3 | 4 | 5 | 10 | 8 | 4 | 2 | 6 | 8 | 46 | 13 | 4 |
| $5\frac{1}{8}$ | 3 | 5 | 5 | $11\frac{3}{4}$ | 8 | $6\frac{1}{2}$ | 2 | 7 | 10 | 47 | 16 | 8 |
| $5\frac{1}{4}$ | 3 | 6 | 6 | $1\frac{1}{2}$ | 8 | 9 | 2 | 9 | 0 | 49 | 0 | 0 |
| $5\frac{3}{8}$ | 3 | 7 | 6 | $3\frac{1}{4}$ | 8 | $11\frac{1}{2}$ | 2 | 10 | 2 | 50 | 3 | 4 |
| $5\frac{1}{2}$ | 3 | 8 | 6 | 5 | 9 | 2 | 2 | 11 | 4 | 51 | 6 | 8 |
| $5\frac{5}{8}$ | 3 | 9 | 6 | $6\frac{3}{4}$ | 9 | $4\frac{1}{2}$ | 2 | 12 | 6 | 52 | 10 | 0 |
| $5\frac{3}{4}$ | 3 | 10 | 6 | $8\frac{1}{2}$ | 9 | 7 | 2 | 13 | 8 | 53 | 13 | 4 |
| $5\frac{7}{8}$ | 3 | 11 | 6 | $10\frac{1}{4}$ | 9 | $9\frac{1}{2}$ | 2 | 14 | 10 | 54 | 16 | 8 |
| 6 | 4 | 0 | 7 | 0 | 10 | 0 | 2 | 16 | 0 | 56 | 0 | 0 |

# TABLE VIII. *continued.*

| Per lb. | Per 8 lbs. | | Per 14 lbs. | | Per 20 lbs. | | | Per Cwt. | | | Per Ton. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| d. | s. | d. | s. | d. | £ | s. | d. | £ | s. | d. | £ | s. | d. |
| 6⅛ | 4 | 1 | 7 | 1¾ | 0 | 10 | 2½ | 2 | 17 | 2 | 57 | 3 | 4 |
| 6¼ | 4 | 2 | 7 | 3½ | 0 | 10 | 5 | 2 | 18 | 4 | 58 | 6 | 8 |
| 6⅜ | 4 | 3 | 7 | 5¼ | 0 | 10 | 7½ | 2 | 19 | 6 | 59 | 10 | 0 |
| 6½ | 4 | 4 | 7 | 7 | 0 | 10 | 10 | 3 | 0 | 8 | 60 | 13 | 4 |
| 6⅝ | 4 | 5 | 7 | 8¾ | 0 | 11 | 0½ | 3 | 1 | 10 | 61 | 16 | 8 |
| 6¾ | 4 | 6 | 7 | 10½ | 0 | 11 | 3 | 3 | 3 | 0 | 63 | 0 | 0 |
| 6⅞ | 4 | 7 | 8 | 0¼ | 0 | 11 | 5½ | 3 | 4 | 2 | 64 | 3 | 4 |
| 7 | 4 | 8 | 8 | 2 | 0 | 11 | 8 | 3 | 5 | 4 | 65 | 6 | 8 |
| 7⅛ | 4 | 9 | 8 | 3¾ | 0 | 11 | 10½ | 3 | 6 | 6 | 66 | 10 | 0 |
| 7¼ | 4 | 10 | 8 | 5½ | 0 | 12 | 1 | 3 | 7 | 8 | 67 | 13 | 4 |
| 7⅜ | 4 | 11 | 8 | 7¼ | 0 | 12 | 3½ | 3 | 8 | 10 | 68 | 16 | 8 |
| 7½ | 5 | 0 | 8 | 9 | 0 | 12 | 6 | 3 | 10 | 0 | 70 | 0 | 0 |
| 7⅝ | 5 | 1 | 8 | 10¾ | 0 | 12 | 8½ | 3 | 11 | 2 | 71 | 3 | 4 |
| 7¾ | 5 | 2 | 9 | 0½ | 0 | 12 | 11 | 3 | 12 | 4 | 72 | 6 | 8 |
| 7⅞ | 5 | 3 | 9 | 2¼ | 0 | 13 | 1½ | 3 | 13 | 6 | 73 | 10 | 0 |
| 8 | 5 | 4 | 9 | 4 | 0 | 13 | 4 | 3 | 14 | 8 | 74 | 13 | 4 |
| 8⅛ | 5 | 5 | 9 | 5¾ | 0 | 13 | 6½ | 3 | 15 | 10 | 75 | 16 | 8 |
| 8¼ | 5 | 6 | 9 | 7½ | 0 | 13 | 9 | 3 | 17 | 0 | 77 | 0 | 0 |
| 8⅜ | 5 | 7 | 9 | 9¼ | 0 | 13 | 11½ | 3 | 18 | 2 | 78 | 3 | 4 |
| 8½ | 5 | 8 | 9 | 11 | 0 | 14 | 2 | 3 | 19 | 4 | 79 | 6 | 8 |
| 8⅝ | 5 | 9 | 10 | 0¾ | 0 | 14 | 4½ | 4 | 0 | 6 | 80 | 10 | 0 |
| 8¾ | 5 | 10 | 10 | 2½ | 0 | 14 | 7 | 4 | 1 | 8 | 81 | 13 | 4 |
| 8⅞ | 5 | 11 | 10 | 4¼ | 0 | 14 | 9½ | 4 | 2 | 10 | 82 | 16 | 8 |
| 9 | 6 | 0 | 10 | 6 | 0 | 15 | 0 | 4 | 4 | 0 | 84 | 0 | 0 |
| 9⅛ | 6 | 1 | 10 | 7¾ | 0 | 15 | 2½ | 4 | 5 | 2 | 85 | 3 | 4 |
| 9¼ | 6 | 2 | 10 | 9½ | 0 | 15 | 5 | 4 | 6 | 4 | 86 | 6 | 8 |
| 9⅜ | 6 | 3 | 10 | 11¼ | 0 | 15 | 7½ | 4 | 7 | 6 | 87 | 10 | 0 |
| 9½ | 6 | 4 | 11 | 1 | 0 | 15 | 10 | 4 | 8 | 8 | 88 | 13 | 4 |
| 9⅝ | 6 | 5 | 11 | 2¾ | 0 | 16 | 0½ | 4 | 9 | 10 | 89 | 16 | 8 |
| 9¾ | 6 | 6 | 11 | 4½ | 0 | 16 | 3 | 4 | 11 | 0 | 91 | 0 | 0 |
| 9⅞ | 6 | 7 | 11 | 6¼ | 0 | 16 | 5½ | 4 | 12 | 2 | 92 | 3 | 4 |
| 10 | 6 | 8 | 11 | 8 | 0 | 16 | 8 | 4 | 13 | 4 | 93 | 6 | 8 |
| 10⅛ | 6 | 9 | 11 | 9¾ | 0 | 16 | 10½ | 4 | 14 | 6 | 94 | 10 | 0 |
| 10¼ | 6 | 10 | 11 | 11½ | 0 | 17 | 1 | 4 | 15 | 8 | 95 | 13 | 4 |
| 10⅜ | 6 | 11 | 12 | 1¼ | 0 | 17 | 3½ | 4 | 16 | 10 | 96 | 16 | 8 |
| 10½ | 7 | 0 | 12 | 3 | 0 | 17 | 6 | 4 | 18 | 0 | 98 | 0 | 0 |
| 10⅝ | 7 | 1 | 12 | 4¾ | 0 | 17 | 8½ | 4 | 19 | 2 | 99 | 3 | 4 |
| 10¾ | 7 | 2 | 12 | 6½ | 0 | 17 | 11 | 5 | 0 | 4 | 100 | 6 | 8 |
| 10⅞ | 7 | 3 | 12 | 8¼ | 0 | 18 | 1½ | 5 | 1 | 6 | 101 | 10 | 0 |
| 11 | 7 | 4 | 12 | 10 | 0 | 18 | 4 | 5 | 2 | 8 | 102 | 13 | 4 |
| 11⅛ | 7 | 5 | 12 | 11¾ | 0 | 18 | 6½ | 5 | 3 | 10 | 103 | 16 | 8 |
| 11¼ | 7 | 6 | 13 | 1½ | 0 | 18 | 9 | 5 | 5 | 0 | 105 | 0 | 0 |
| 11⅜ | 7 | 7 | 13 | 3¼ | 0 | 18 | 11½ | 5 | 6 | 2 | 106 | 3 | 4 |
| 11½ | 7 | 8 | 13 | 5 | 0 | 19 | 2 | 5 | 7 | 4 | 107 | 6 | 8 |
| 11⅝ | 7 | 9 | 13 | 6¾ | 0 | 19 | 4½ | 5 | 8 | 6 | 108 | 10 | 0 |
| 11¾ | 7 | 10 | 13 | 8½ | 0 | 19 | 7 | 5 | 9 | 8 | 109 | 13 | 4 |
| 11⅞ | 7 | 11 | 13 | 10¼ | 0 | 19 | 9½ | 5 | 10 | 10 | 110 | 16 | 8 |
| 12 | 8 | 0 | 14 | 0 | 1 | 0 | 0 | 5 | 12 | 0 | 112 | 0 | 0 |

# TABLE IX.

## MEASUREMENT OF TIMBER.

To find the content or solidity of round or unsquared timber.

RULE I.—Gird the piece of timber to be measured round the middle with a string, take one-fourth part of the girth, and square it, and multiply this square by the length for the solidity.

*Note.*—When the tree is very irregular, divide it into several lengths, and find the solidity of each part separately; all of which add together for the required content.

RULE II.—Multiply the area corresponding to the quarter girth in inches, by the length of the piece in feet, and the product will be the solid content.

*Note.*—It may sometimes happen that the quarter girth exceeds the limits of this table; in this case take half of it, and four times the content thus found will give the required content.

| Quartr. Girth. | Superficial Area. | | | Quartr. Girth. | Superficial Area. | | | Quartr. Girth. | Superficial Area. | | | Quartr. Girth. | Superficial Area. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| in. | ft. | in. | pts. | in. | ft. | in. | pts. | in. | ft. | in. | pts. | in. | ft. | in. | pts. |
| 3¼ | 0 | 0 | 10 | 11¼ | 0 | 10 | 6 | 19¼ | 2 | 6 | 10 | 27¼ | 5 | 1 | 10 |
| 3⅜ | 0 | 1 | 0 | 11⅜ | 0 | 11 | 0 | 19⅜ | 2 | 7 | 8 | 27⅜ | 5 | 3 | 0 |
| 3½ | 0 | 1 | 2 | 11½ | 0 | 11 | 6 | 19½ | 2 | 8 | 6 | 27½ | 5 | 4 | 2 |
| 4 | 0 | 1 | 4 | 12 | 1 | 0 | 0 | 20 | 2 | 9 | 4 | 28 | 5 | 5 | 4 |
| 4¼ | 0 | 1 | 6 | 12¼ | 1 | 0 | 6 | 20¼ | 2 | 10 | 2 | 28¼ | 5 | 6 | 6 |
| 4⅜ | 0 | 1 | 8 | 12⅜ | 1 | 1 | 0 | 20⅜ | 2 | 11 | 0 | 28⅜ | 5 | 7 | 8 |
| 4½ | 0 | 1 | 10 | 12½ | 1 | 1 | 6 | 20½ | 2 | 11 | 10 | 28½ | 5 | 8 | 10 |
| 5 | 0 | 2 | 1 | 13 | 1 | 2 | 1 | 21 | 3 | 0 | 9 | 29 | 5 | 10 | 1 |
| 5¼ | 0 | 2 | 3 | 13¼ | 1 | 2 | 7 | 21¼ | 3 | 1 | 7 | 29¼ | 5 | 11 | 3 |
| 5⅜ | 0 | 2 | 6 | 13⅜ | 1 | 3 | 2 | 21⅜ | 3 | 2 | 6 | 29⅜ | 6 | 0 | 6 |
| 5½ | 0 | 2 | 9 | 13½ | 1 | 3 | 9 | 21½ | 3 | 3 | 5 | 29½ | 6 | 1 | 9 |
| 6 | 0 | 3 | 0 | 14 | 1 | 4 | 4 | 22 | 3 | 4 | 4 | 30 | 6 | 3 | 0 |
| 6¼ | 0 | 3 | 3 | 14¼ | 1 | 4 | 11 | 22¼ | 3 | 5 | 3 | 30¼ | 6 | 4 | 3 |
| 6⅜ | 0 | 3 | 6 | 14⅜ | 1 | 5 | 6 | 22⅜ | 3 | 6 | 2 | 30⅜ | 6 | 5 | 6 |
| 6½ | 0 | 3 | 9 | 14½ | 1 | 6 | 1 | 22½ | 3 | 7 | 1 | 30½ | 6 | 6 | 9 |
| 7 | 0 | 4 | 1 | 15 | 1 | 6 | 9 | 23 | 3 | 8 | 1 | 31 | 6 | 8 | 1 |
| 7¼ | 0 | 4 | 4 | 15¼ | 1 | 7 | 4 | 23¼ | 3 | 9 | 0 | 31¼ | 6 | 9 | 4 |
| 7⅜ | 0 | 4 | 8 | 15⅜ | 1 | 8 | 0 | 23⅜ | 3 | 10 | 0 | 31⅜ | 6 | 10 | 8 |
| 7½ | 0 | 5 | 0 | 15½ | 1 | 8 | 8 | 23½ | 3 | 11 | 0 | 31½ | 7 | 0 | 0 |
| 8 | 0 | 5 | 4 | 16 | 1 | 9 | 4 | 24 | 4 | 0 | 0 | 32 | 7 | 1 | 4 |
| 8¼ | 0 | 5 | 8 | 16¼ | 1 | 10 | 0 | 24¼ | 4 | 1 | 0 | 32¼ | 7 | 2 | 8 |
| 8⅜ | 0 | 6 | 0 | 16⅜ | 1 | 10 | 8 | 24⅜ | 4 | 2 | 0 | 32⅜ | 7 | 4 | 0 |
| 8½ | 0 | 6 | 4 | 16½ | 1 | 11 | 4 | 24½ | 4 | 3 | 0 | 32½ | 7 | 5 | 4 |
| 9 | 0 | 6 | 9 | 17 | 2 | 0 | 1 | 25 | 4 | 4 | 1 | 33 | 7 | 6 | 9 |
| 9¼ | 0 | 7 | 1 | 17¼ | 2 | 0 | 9 | 25¼ | 4 | 5 | 1 | 33¼ | 7 | 8 | 1 |
| 9⅜ | 0 | 7 | 6 | 17⅜ | 2 | 1 | 6 | 25⅜ | 4 | 6 | 2 | 33⅜ | 7 | 9 | 6 |
| 9½ | 0 | 7 | 11 | 17½ | 2 | 2 | 3 | 25½ | 4 | 7 | 3 | 33½ | 7 | 10 | 11 |
| 10 | 0 | 8 | 4 | 18 | 2 | 3 | 0 | 26 | 4 | 8 | 4 | 34 | 8 | 0 | 4 |
| 10¼ | 0 | 8 | 9 | 18¼ | 2 | 3 | 9 | 26¼ | 4 | 9 | 5 | 34¼ | 8 | 2 | 9 |
| 10⅜ | 0 | 9 | 2 | 18⅜ | 2 | 4 | 6 | 26⅜ | 4 | 10 | 6 | 34⅜ | 8 | 3 | 2 |
| 10½ | 0 | 9 | 7 | 18½ | 2 | 5 | 3 | 26½ | 4 | 11 | 7 | 34½ | 8 | 4 | 7 |
| 11 | 0 | 10 | 1 | 19 | 2 | 6 | 1 | 27 | 5 | 0 | 9 | 35 | 8 | 6 | 1 |

To find the solid content by this table, look in the first column for the quarter girth, in the next column for the area, which, multiplied by the length, will give the solid content required.

*Example* 1.—If a piece of round timber be 14 feet long, and the quarter girth 9 inches. The content, 7 ft. 10 in. 6 pts.

*Example 2.—If a piece of* round timber be 28 feet long, and the quarter girth 23¼ inches. The content, 90 ft. 1 in.

## TABLE X.

SHOWS THE NUMBER OF IMPERIAL GALLONS CONTAINED IN TANKS OR RESERVOIRS OF A CIRCULAR, SQUARE, OR OBLONG FORM; THE CONTENT, OR CAPACITY, BEING GIVEN EITHER IN CUBIC FEET, CUBIC YARDS, OR FRENCH CUBIC METRES, FROM ¼ FOOT TO 270,000 CUBIC FEET.

On referring to Table I., p. 10, the content of a circular tank in cubic feet may be readily found; in Table II., p. 16, the content of a square or oblong tank of any given length, breadth, or depth: the *height* in these tables being reckoned the *depth* of the tank.

In Table XI., pages 66 and 67, the relative areas and circumferences of circular tanks of a given diameter may be found, in superficial feet, which if multiplied by any given depth will give the cubic content; and in Table X., p. 65, the number of imperial gallons in a given number of cubic feet, cubic yards, or cubic metres, is shown.

In these tables fractions of a half-gallon, and under, are not counted; but when above half-a-gallon, they are reckoned as 1.

*Quest.* How many gallons will a circular tank contain, the diameter being 19 feet 5 inches and the depth 15 feet?

*Ans.* 17,683 gallons.

*Example.*—In Table XI. p. 67, we find the circumference, 60·9994 feet, to be equal to the diameter, 19 feet 5 inches; and if we turn to Table I., p. 13, in the first column we find the circumference, 61 feet, opposite which and under the depth, 15 feet, stands 4442 feet; you will now turn to Table X., p. 65, and find:—

| | | | |
|---|---|---|---|
| 2700 | cubic feet | equal to . . . . | 16826·677 |
| 1728 | „ | „ . . . . | 10769·073 |
| 14 | „ | „ . . . . | 87·249 |
| 4442 | | | 17682·999 |

Within a fraction of 17,688 gallons.

*Quest.* How many cubic feet, and how many imperial gallons, will a tank contain, 84 feet long, 12 feet wide, and depth 5 feet 9 inches?

In Table II., p. 18, we find the breadth 12 feet, the length 84 feet, in the left-hand column; and the depth at the heads of the other columns:—

| | | | |
|---|---|---|---|
| Under | 5 | feet stands . . . . | 2040 |
| „ | $\frac{1}{2}$ | „ . . . . | 204 |
| „ | $\frac{1}{4}$ | „ . . . . | 102 |
| | | The cubic content . . | 2346 |

Having found the content in cubic feet, on turning Table X., p. 65, will be found:—

| | | | |
|---|---|---|---|
| 2322 | cubic feet, | equal to . | 14470·942 |
| 24 | „ | „ . . . | 149·570 |
| 2346 | | Imperial gallons | 14620·512 |

Note.—If the cubic content be multiplied by 6·2321 it will give the number of imperial gallons a tank contains.

# TABLE X.

| Cu.ft. | Imp. Gals. | Cu. Mtrs. | Cu. ft. | Imp. Gals. | Cu. Mtrs. | Cu. ft. | Imp. Gals. | Cu. Mtrs. |
|---|---|---|---|---|---|---|---|---|
| ¼ | 1·558 | ·0071 | 8 | 49·857 | ·2265 | 18 | 112·178 | ·5097 |
| ⅓ | 3·116 | ·0142 | 9 | 56·089 | ·2548 | 19 | 118 410 | ·5380 |
| ½ | 4·674 | ·0212 | 10 | 62·321 | ·2832 | 20 | 124 642 | ·5663 |
| 1 | 6·232 | ·0283 | 11 | 68·553 | ·3115 | 21 | 130 874 | ·5946 |
| 2 | 12·464 | ·0566 | 12 | 74·785 | ·3398 | 22 | 137·106 | ·6229 |
| 3 | 18·696 | ·0849 | 13 | 81·017 | ·3681 | 23 | 143·338 | ·6512 |
| 4 | 24·928 | ·1133 | 14 | 87·249 | ·3964 | 24 | 149·570 | ·6795 |
| 5 | 31·161 | ·1416 | 15 | 93·482 | ·4247 | 25 | 155·803 | ·7078 |
| 6 | 37·393 | ·1699 | 16 | 99·714 | ·4530 | 26 | 162·035 | ·7361 |
| 7 | 43·625 | ·1982 | 17 | 105·946 | ·4814 | 27 | 168 267 | ·7645 |

| Cu. yd. | Cub. ft. | Imp. gallons. | Cu. Mtrs. | Cu. yd. | Cub. ft. | Imp. gallons. | Cu. mtrs. |
|---|---|---|---|---|---|---|---|
| 1 | 27 | 186·267 | ·7645 | 56 | 1512 | 9422 939 | 42·8127 |
| 2 | 54 | 336·534 | 1·5290 | 57 | 1539 | 9591·206 | 43·5773 |
| 3 | 81 | 504·800 | 2·2935 | 58 | 1566 | 9759·473 | 44·3418 |
| 4 | 108 | 673·067 | 3·0581 | 59 | 1593 | 9927·739 | 45·1063 |
| 5 | 135 | 841·334 | 3·8226 | 60 | 1620 | 10096 006 | 45·8708 |
| 6 | 162 | 1009·601 | 4·5871 | 61 | 1647 | 10264·273 | 46·6353 |
| 7 | 189 | 1177·867 | 5·3516 | 62 | 1674 | 10432·540 | 47·3998 |
| 8 | 216 | 1346·134 | 6·1161 | 63 | 1701 | 10600 806 | 48·1643 |
| 9 | 243 | 1514·401 | 6·8806 | 64 | 1728 | 10769 073 | 48·9289 |
| 10 | 270 | 1682·667 | 7·6451 | 65 | 1755 | 10937·340 | 49·6934 |
| 11 | 297 | 1850·934 | 8·4096 | 66 | 1782 | 11105·607 | 50·4579 |
| 12 | 324 | 2019·201 | 9·1742 | 67 | 1809 | 11273·873 | 51·2224 |
| 13 | 351 | 2187·468 | 9·9387 | 68 | 1836 | 11442·140 | 51·9870 |
| 14 | 378 | 2355·735 | 10·7032 | 69 | 1863 | 11610·407 | 52·7514 |
| 15 | 405 | 2524·002 | 11·4677 | 70 | 1890 | 11778·674 | 53·5160 |
| 16 | 432 | 2692·268 | 12·2322 | 71 | 1917 | 11946·941 | 54·2804 |
| 17 | 459 | 2860·535 | 12·9967 | 72 | 1944 | 12115·207 | 55·0450 |
| 18 | 486 | 3028·802 | 13·7612 | 73 | 1971 | 12283·474 | 55 8095 |
| 19 | 513 | 3197·069 | 14·5257 | 74 | 1998 | 12451·741 | 56·5740 |
| 20 | 540 | 3365·335 | 15·2903 | 75 | 2025 | 12620·008 | 57·3385 |
| 21 | 567 | 3533·602 | 16·0548 | 76 | 2052 | 12788·274 | 58·1030 |
| 22 | 594 | 3701·869 | 16·8193 | 77 | 2079 | 12956·541 | 58 8675 |
| 23 | 621 | 3870·136 | 17·5838 | 78 | 2106 | 13124·808 | 59·6320 |
| 24 | 648 | 4038·402 | 18·3483 | 79 | 2133 | 13293 075 | 60·3965 |
| 25 | 675 | 4206·669 | 19·1128 | 80 | 2160 | 13461·341 | 61·1611 |
| 26 | 702 | 4374·936 | 19·8773 | 81 | 2187 | 13629 608 | 61·9256 |
| 27 | 729 | 4543·203 | 20·6419 | 82 | 2214 | 13797·875 | 62·6901 |
| 28 | 756 | 4711·470 | 21·4064 | 83 | 2241 | 13966·142 | 63·4546 |
| 29 | 783 | 4879·736 | 22·1709 | 84 | 2268 | 14134·408 | 64·2191 |
| 30 | 810 | 5048·003 | 22·9354 | 85 | 2295 | 14302·675 | 64·9836 |
| 31 | 837 | 5216·270 | 23·7000 | 86 | 2322 | 14470·942 | 65·7481 |
| 32 | 864 | 5384·537 | 24·4644 | 87 | 2349 | 14639·209 | 66·5126 |
| 33 | 891 | 5552·803 | 25·2289 | 88 | 2376 | 14807·476 | 67·2772 |
| 34 | 928 | 5721·070 | 25·9934 | 89 | 2403 | 14975·742 | 68·0417 |
| 35 | 945 | 5889·337 | 26·7580 | 90 | 2430 | 15144·009 | 68·8062 |
| 36 | 972 | 6057·604 | 27·5225 | 91 | 2457 | 15312·276 | 69·5707 |
| 37 | 1009 | 6225·870 | 28·2870 | 92 | 2484 | 15480·453 | 70·3352 |
| 38 | 1026 | 6394·137 | 29·0515 | 93 | 2511 | 15648·809 | 71·0997 |
| 39 | 1053 | 6562·404 | 29·8160 | 94 | 2538 | 15817·076 | 71·8642 |
| 40 | 1080 | 6730·671 | 30·5805 | 95 | 2565 | 15985·343 | 72·6288 |
| 41 | 1107 | 6898·938 | 31·3450 | 96 | 2592 | 16153·610 | 73·3933 |
| 42 | 1134 | 7067·204 | 32·1095 | 97 | 2619 | 16321·877 | 74·1578 |
| 43 | 1161 | 7235·471 | 32·8741 | 98 | 2646 | 16490·143 | 74·9223 |
| 44 | 1188 | 7403·738 | 33·6386 | 99 | 2673 | 16658·410 | 75·6868 |
| 45 | 1215 | 7572·005 | 34·4031 | 100 | 2700 | 16826·677 | 76·4513 |
| 46 | 1242 | 7740·271 | 35·1676 | 200 | 5400 | 33653·354 | 152·9028 |
| 47 | 1269 | 7908·538 | 35·9321 | 300 | 8100 | 50480·031 | 229·3540 |
| 48 | 1296 | 8076·805 | 36·6966 | 400 | 10800 | 67306·707 | 305·8053 |
| 49 | 1323 | 8245·072 | 37·4612 | 500 | 13500 | 84133·384 | 382·2566 |
| 50 | 1350 | 8413·338 | 38·2257 | 1000 | 27000 | 168260·768 | 764·5133 |
| 51 | 1377 | 8581·605 | 38·9902 | 2000 | 54000 | 337533·537 | 1529·0276 |
| 52 | 1404 | 8749·872 | 39·7547 | 3000 | 81000 | 504800·304 | 2293·5399 |
| 53 | 1431 | 8918·139 | 40·5192 | 4000 | 108000 | 673067·072 | 3058·0531 |
| 54 | 1458 | 9086·406 | 41·2837 | 5000 | 135000 | 841333·840 | 3822·5664 |
| 55 | 1485 | 9254·672 | 42·0482 | 10000 | 270000 | 1682667·680 | 7645·1328 |

# TABLE XI.

## RELATIVE AREAS AND CIRCUMFERENCES OF CIRCLES OF A GIVEN DIAMETER.

| Diam. | Area. | Circum. | Diam. | Area. | Circum. | Diam. | Area. | Circum. |
|---|---|---|---|---|---|---|---|---|
| ft. in. | | | ft. in. | | | ft. in. | | |
| 1 0 | ·7854 | 3·1416 | 5 0 | 19·6350 | 15·7080 | 9 0 | 63·6174 | 28·2744 |
| 1 | ·9217 | 3·4034 | 1 | 20·2947 | 15·9698 | 1 | 64·8006 | 28·5362 |
| 2 | 1·0690 | 3·6652 | 2 | 20·9656 | 16·2316 | 2 | 65·9951 | 28·7980 |
| 3 | 1·2271 | 3·9270 | 3 | 21·6475 | 16·4934 | 3 | 67·2007 | 29·0598 |
| 4 | 1·3962 | 4·1888 | 4 | 22·3400 | 16·7552 | 4 | 68·4166 | 29·3216 |
| 5 | 1·5761 | 4·4506 | 5 | 23·0437 | 17·0170 | 5 | 69·6440 | 29·5834 |
| 6 | 1·7671 | 4·7124 | 6 | 23·7583 | 17·2788 | 6 | 70·8823 | 29·8452 |
| 7 | 1·9689 | 4·9742 | 7 | 24·4835 | 17·5406 | 7 | 72·1309 | 30·1070 |
| 8 | 2·1816 | 5·2360 | 8 | 25·2199 | 17·8024 | 8 | 73·3910 | 30·3688 |
| 9 | 2·4052 | 5·4978 | 9 | 25·9672 | 18·0642 | 9 | 74·6620 | 30·6306 |
| 10 | 2·6398 | 5·7596 | 10 | 26·7251 | 18·3260 | 10 | 75·9433 | 30·8924 |
| 11 | 2·8852 | 6·0214 | 11 | 27·4943 | 18·5878 | 11 | 77·2362 | 31·1542 |
| 2 0 | 3·1416 | 6·2832 | 6 0 | 28·2744 | 18·8496 | 10 0 | 78·5400 | 31·4160 |
| 1 | 3·4087 | 6·5450 | 1 | 29·0649 | 19·1114 | 1 | 79·8540 | 31·6778 |
| 2 | 3·6869 | 6·8068 | 2 | 29·8668 | 19·3732 | 2 | 81·1795 | 31·9396 |
| 3 | 3·9760 | 7·0686 | 3 | 30·6796 | 19·6350 | 3 | 82·5160 | 32·2014 |
| 4 | 4·2760 | 7·3304 | 4 | 31·5029 | 19·8968 | 4 | 83·8627 | 32·4632 |
| 5 | 4·5869 | 7·5922 | 5 | 32·3376 | 20·1586 | 5 | 85·2211 | 32·7250 |
| 6 | 4·9087 | 7·8540 | 6 | 33·1831 | 20·4204 | 6 | 86·5903 | 32·9868 |
| 7 | 5·2413 | 8·1158 | 7 | 34·0391 | 20·6822 | 7 | 87·9697 | 33·2486 |
| 8 | 5·5850 | 8·3776 | 8 | 34·9065 | 20·9440 | 8 | 89·3608 | 33·5104 |
| 9 | 5·9395 | 8·6394 | 9 | 35·7847 | 21·2058 | 9 | 90·7627 | 33·7722 |
| 10 | 6·3049 | 8·9012 | 10 | 36·6735 | 21·4676 | 10 | 92·1749 | 34·0340 |
| 11 | 6·6813 | 9·1630 | 11 | 37·5736 | 21·7294 | 11 | 93·5986 | 34·2958 |
| 3 0 | 7·0686 | 9·4248 | 7 0 | 38·4846 | 21·9912 | 11 0 | 95·0334 | 34·5376 |
| 1 | 7·4666 | 9·6866 | 1 | 39·4060 | 22·2530 | 1 | 96·4783 | 34·8194 |
| 2 | 7·8757 | 9·9484 | 2 | 40·3388 | 22·5148 | 2 | 97·9347 | 35·0812 |
| 3 | 8·2957 | 10·2102 | 3 | 41·2825 | 22·7766 | 3 | 99·4021 | 35·3430 |
| 4 | 8·7265 | 10·4720 | 4 | 42·2367 | 23·0384 | 4 | 100·8797 | 35·6048 |
| 5 | 9·1683 | 10·7338 | 5 | 43·2022 | 23·3002 | 5 | 102·3689 | 35·8666 |
| 6 | 9·6211 | 10·9956 | 6 | 44·1787 | 23·5620 | 6 | 103·8691 | 36·1284 |
| 7 | 10·0846 | 11·2574 | 7 | 45·1656 | 23·8238 | 7 | 105·3794 | 36·3902 |
| 8 | 10·5591 | 11·5192 | 8 | 46·1638 | 24·0856 | 8 | 106·9013 | 36·6520 |
| 9 | 11.0446 | 11·7810 | 9 | 47·1730 | 24·3474 | 9 | 108·4342 | 36·9138 |
| 10 | 11·5409 | 12.0428 | 10 | 48·1926 | 24·6092 | 10 | 109·9772 | 37·1756 |
| 11 | 12·0481 | 12·3046 | 11 | 49·2236 | 24·8710 | 11 | 111·5319 | 37·4374 |
| 4 0 | 12·5664 | 12·5664 | 8 0 | 50·2656 | 25·1328 | 12 0 | 113·0976 | 37·6992 |
| 1 | 13·0952 | 12·8282 | 1 | 51·3178 | 25·3946 | 1 | 114·6732 | 37·9610 |
| 2 | 13·6353 | 13·0900 | 2 | 52·3816 | 25·6564 | 2 | 116·2607 | 38·2228 |
| 3 | 14·1862 | 13·3518 | 3 | 53·4562 | 25·9182 | 3 | 117·8590 | 38·4846 |
| 4 | 14·7479 | 13·6136 | 4 | 54·5412 | 26·1800 | 4 | 119·4674 | 38·7464 |
| 5 | 15·3206 | 13·8754 | 5 | 55·6377 | 26·4418 | 5 | 121·0876 | 39·0082 |
| 6 | 15·9043 | 14·1372 | 6 | 56·7451 | 26·7036 | 6 | 122·7187 | 39·2700 |
| 7 | 16·4986 | 14·3990 | 7 | 57·8028 | 26·9654 | 7 | 124·3598 | 39·5318 |
| 8 | 17·1041 | 14·6608 | 8 | 58·9920 | 27·2272 | 8 | 126·0127 | 39·7936 |
| 9 | 17·7205 | 14·9226 | 9 | 60·1321 | 27·4890 | 9 | 127·6765 | 40·0554 |
| 10 | 18·3476 | 15·1844 | 10 | 61·2826 | 27·7508 | 10 | 129·3504 | 40·3172 |
| 11 | 18·9858 | 15·4462 | 11 | 62·4445 | 28·0126 | 11 | 131·0360 | 40·5790 |

# TABLE XI. *continued.*

## RELATIVE AREAS AND CIRCUMFERENCES OF CIRCLES OF A GIVEN DIAMETER.

| Diam. | Area. | Circum. | Diam. | Area. | Circum. | Diam. | Area. | Circum. |
|---|---|---|---|---|---|---|---|---|
| ft. in. | | | ft. in. | | | ft. in. | | |
| 13 0 | 132·7326 | 40·8408 | 17 0 | 226.9806 | 53·4072 | 21 0 | 346·3614 | 65·9736 |
| 1 | 134·4391 | 41·1026 | 1 | 229·2105 | 53·6690 | 1 | 349·1147 | 66·2354 |
| 2 | 136·1574 | 41·3644 | 2 | 231·4525 | 53·9308 | 2 | 351·8804 | 66·4972 |
| 3 | 137·8867 | 41·6262 | 3 | 233·7055 | 54·1926 | 3 | 354·6571 | 66·7590 |
| 4 | 139·6260 | 41·8880 | 4 | 235·9682 | 54·4544 | 4 | 357·4432 | 67·0208 |
| 5 | 141·3771 | 42·1498 | 5 | 238·2430 | 54·7162 | 5 | 360·2417 | 67·2826 |
| 6 | 143·1391 | 42·4116 | 6 | 240·5287 | 54·9780 | 6 | 363·0511 | 67·5444 |
| 7 | 144·9111 | 42·6734 | 7 | 242·8241 | 55·2398 | 7 | 365·8698 | 67·8062 |
| 8 | 146·6949 | 42·9352 | 8 | 245·1316 | 55.5016 | 8 | 368·7011 | 68·0680 |
| 9 | 148·4896 | 43·1970 | 9 | 247·4500 | 55·7634 | 9 | 371·5432 | 68·3298 |
| 10 | 150·2943 | 43·4588 | 10 | 249·7781 | 56·0252 | 10 | 374·3947 | 68·5916 |
| 11 | 152·1109 | 43·7206 | 11 | 252·1184 | 56·2870 | 11 | 377·2587 | 68·8534 |
| 14 0 | 153·9384 | 43·6824 | 18 0 | 254·4696 | 56·5488 | 22 0 | 380·1336 | 69·1152 |
| 1 | 155·7758 | 44·2442 | 1 | 256·8303 | 56·8106 | 1 | 383·0177 | 69·3770 |
| 2 | 157·6250 | 44·5060 | 2 | 259·2033 | 57·0724 | 2 | 385·9144 | 69·6388 |
| 3 | 159·4852 | 44·7678 | 3 | 261·5872 | 57·3342 | 3 | 388·8220 | 69·9006 |
| 4 | 161·3553 | 45·0296 | 4 | 263·9807 | 57·5960 | 4 | 391·7380 | 70·1624 |
| 5 | 163·2373 | 45·2914 | 5 | 266·3864 | 57·8578 | 5 | 394·6683 | 70·4242 |
| 6 | 165·1303 | 45·5532 | 6 | 268·8031 | 58·1196 | 6 | 397·6087 | 70·6860 |
| 7 | 167·6231 | 45·8150 | 7 | 271·2293 | 58·3814 | 7 | 400·5583 | 70·9478 |
| 8 | 168·9479 | 46·0768 | 8 | 273·6678 | 58·6432 | 8 | 403·5204 | 71·2096 |
| 9 | 170·8735 | 46.3386 | 9 | 276·1171 | 58·9050 | 9 | 406·4935 | 71·4714 |
| 10 | 172·8091 | 46·6004 | 10 | 278·5761 | 59·1668 | 10 | 409·4759 | 71·7332 |
| 11 | 174·7565 | 46·8622 | 11 | 281·0472 | 59·4286 | 11 | 412·4707 | 71·9950 |
| 15 0 | 176·7150 | 47·1240 | 19 0 | 283·5294 | 59·6904 | 23 0 | 415·4766 | 72·2568 |
| 1 | 178·6832 | 47·3858 | 1 | 286·0210 | 59·9522 | 1 | 418·4915 | 72·5186 |
| 2 | 180·6634 | 47·6476 | 2 | 288·5249 | 60·2140 | 2 | 421·5192 | 72·7804 |
| 3 | 182·6545 | 47·9094 | 3 | 291·0397 | 60·4758 | 3 | 424·5577 | 73·0422 |
| 4 | 184·6555 | 48·1712 | 4 | 293·5641 | 60·7376 | 4 | 427·6055 | 73·3040 |
| 5 | 186·6684 | 48·4330 | 5 | 296·1007 | 60·9994 | 5 | 430·6658 | 73·5658 |
| 6 | 188·6923 | 48·6948 | 6 | 298·6483 | 61·2612 | 6 | 433·7371 | 73·8276 |
| 7 | 190·7260 | 48·9566 | 7 | 301·2054 | 61·5230 | 7 | 436·8175 | 74·0894 |
| 8 | 192·7716 | 49·2184 | 8 | 303·7747 | 61·7848 | 8 | 439·9106 | 74·3512 |
| 9 | 194·8282 | 49·4802 | 9 | 306·3550 | 62·0466 | 9 | 443·0146 | 74·6130 |
| 10 | 196·8946 | 49·7420 | 10 | 308·9448 | 62·3084 | 10 | 446·1278 | 74·8748 |
| 11 | 198·9730 | 50·0038 | 11 | 311·5469 | 62·5702 | 11 | 449·2536 | 75·1366 |
| 16 0 | 201·0624 | 50·2656 | 20 0 | 314·1600 | 62·8320 | 24 0 | 452·3904 | 75·3984 |
| 1 | 203·1615 | 50·5274 | 1 | 316·7824 | 63·0938 | 1 | 455·5362 | 75·6602 |
| 2 | 205·2726 | 50·7892 | 2 | 319·4173 | 63·3556 | 2 | 458·6948 | 75·9220 |
| 3 | 207·3946 | 51·0510 | 3 | 322·0630 | 63·6174 | 3 | 461·8642 | 76·1838 |
| 4 | 209·5264 | 51·3128 | 4 | 324·7182 | 63·8792 | 4 | 465·0428 | 76·4456 |
| 5 | 211·6703 | 51·5746 | 5 | 327·3858 | 64·1410 | 5 | 468·2341 | 76·7074 |
| 6 | 213·8251 | 51·8364 | 6 | 330·0643 | 64·4028 | 6 | 471·4363 | 76·9692 |
| 7 | 215·9896 | 52·0982 | 7 | 332·7522 | 64·6646 | 7 | 474·6476 | 77·2310 |
| 8 | 218·1662 | 52·3600 | 8 | 335·4525 | 64·9264 | 8 | 477·8716 | 77·4928 |
| 9 | 220·3537 | 52·6218 | 9 | 338·1637 | 65·1882 | 9 | 481·1065 | 77·7546 |
| 10 | 222·5510 | 52·8836 | 10 | 340·8844 | 65·4500 | 10 | 484·3506 | 78·0164 |
| 11 | 224·7603 | 53·1454 | 11 | 343·6174 | 65·7118 | 11 | 487·6073 | 78·2782 |

# TABLE XII.

## READY RECKONER.

Income by

| Day. | | Week. | | | Lunar Month. | | | Calendar Month. | | | Year. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| s. | d. | £ | s. | d. | £ | s. | d. | £ | s. | d. | £ | s. | d. |
| 0 | 0¼ | 0 | 0 | 1¾ | 0 | 0 | 7 | 0 | 0 | 7½ | 0 | 7 | 7¼ |
| 0 | 0½ | 0 | 0 | 3½ | 0 | 1 | 2 | 0 | 1 | 3½ | 0 | 15 | 2½ |
| 0 | 0¾ | 0 | 0 | 5¼ | 0 | 1 | 9 | 0 | 1 | 10 | 1 | 2 | 9¾ |
| 0 | 1 | 0 | 0 | 7 | 0 | 2 | 4 | 0 | 2 | 6 | 1 | 10 | 5 |
| 0 | 2 | 0 | 1 | 2 | 0 | 4 | 8 | 0 | 5 | 0 | 3 | 0 | 10 |
| 0 | 3 | 0 | 1 | 9 | 0 | 7 | 0 | 0 | 7 | 7 | 4 | 11 | 3 |
| 0 | 4 | 0 | 2 | 4 | 0 | 9 | 4 | 0 | 10 | 2 | 6 | 1 | 8 |
| 0 | 5 | 0 | 2 | 11 | 0 | 11 | 8 | 0 | 12 | 8 | 7 | 12 | 1 |
| 0 | 6 | 0 | 3 | 6 | 0 | 14 | 0 | 0 | 15 | 3 | 9 | 2 | 6 |
| 0 | 7 | 0 | 4 | 1 | 0 | 16 | 4 | 0 | 17 | 9 | 10 | 12 | 11 |
| 0 | 8 | 0 | 4 | 8 | 0 | 18 | 8 | 1 | 0 | 3 | 12 | 3 | 4 |
| 0 | 9 | 0 | 5 | 3 | 1 | 1 | 0 | 1 | 2 | 10 | 13 | 13 | 9 |
| 0 | 10 | 0 | 5 | 10 | 1 | 3 | 4 | 1 | 5 | 4 | 15 | 4 | 2 |
| 0 | 11 | 0 | 6 | 5 | 1 | 5 | 8 | 1 | 7 | 10 | 16 | 14 | 7 |
| 1 | 0 | 0 | 7 | 0 | 1 | 8 | 0 | 1 | 10 | 5 | 18 | 5 | 0 |
| 1 | 3 | 0 | 8 | 9 | 1 | 15 | 0 | 1 | 18 | 0 | 22 | 16 | 3 |
| 1 | 6 | 0 | 10 | 6 | 2 | 2 | 0 | 2 | 5 | 7 | 27 | 7 | 6 |
| 1 | 9 | 0 | 12 | 3 | 2 | 9 | 0 | 2 | 13 | 3 | 31 | 18 | 9 |
| 2 | 0 | 0 | 14 | 0 | 2 | 16 | 0 | 3 | 0 | 10 | 36 | 10 | 0 |
| 2 | 3 | 0 | 15 | 9 | 3 | 3 | 0 | 3 | 8 | 5 | 41 | 1 | 3 |
| 2 | 6 | 0 | 17 | 6 | 3 | 10 | 0 | 3 | 16 | 0 | 45 | 12 | 6 |
| 2 | 9 | 0 | 19 | 3 | 3 | 17 | 0 | 4 | 3 | 8 | 50 | 3 | 9 |
| 3 | 0 | 1 | 1 | 0 | 4 | 4 | 0 | 4 | 11 | 3 | 54 | 15 | 0 |
| 3 | 3 | 1 | 2 | 9 | 4 | 11 | 0 | 4 | 18 | 10 | 59 | 6 | 3 |
| 3 | 6 | 1 | 4 | 6 | 4 | 18 | 0 | 5 | 6 | 6 | 63 | 17 | 6 |
| 3 | 9 | 1 | 6 | 3 | 5 | 5 | 0 | 5 | 14 | 1 | 68 | 18 | 9 |
| 4 | 0 | 1 | 8 | 0 | 5 | 12 | 0 | 6 | 1 | 8 | 73 | 0 | 0 |
| 4 | 3 | 1 | 9 | 9 | 5 | 19 | 0 | 6 | 9 | 3 | 77 | 11 | 3 |
| 4 | 6 | 1 | 11 | 6 | 6 | 6 | 0 | 6 | 16 | 10 | 82 | 2 | 6 |
| 4 | 9 | 1 | 13 | 3 | 6 | 13 | 0 | 7 | 4 | 6 | 86 | 13 | 9 |
| 5 | 0 | 1 | 15 | 0 | 7 | 0 | 0 | 7 | 12 | 1 | 91 | 5 | 0 |
| 5 | 3 | 1 | 16 | 9 | 7 | 7 | 0 | 7 | 19 | 8 | 95 | 16 | 3 |
| 5 | 6 | 1 | 18 | 6 | 7 | 14 | 0 | 8 | 7 | 3 | 100 | 7 | 6 |
| 5 | 9 | 2 | 0 | 3 | 8 | 1 | 0 | 8 | 14 | 11 | 104 | 18 | 9 |
| 6 | 0 | 2 | 2 | 0 | 8 | 8 | 0 | 9 | 2 | 6 | 109 | 10 | 0 |
| 6 | 3 | 2 | 3 | 9 | 8 | 15 | 0 | 9 | 10 | 1 | 114 | 1 | 3 |
| 6 | 6 | 2 | 5 | 6 | 9 | 2 | 0 | 9 | 17 | 9 | 118 | 12 | 6 |
| 6 | 9 | 2 | 7 | 3 | 9 | 9 | 0 | 10 | 5 | 4 | 123 | 3 | 9 |
| 7 | 0 | 2 | 9 | 0 | 9 | 16 | 0 | 10 | 12 | 11 | 127 | 15 | 0 |
| 7 | 3 | 2 | 10 | 9 | 10 | 3 | 0 | 11 | 0 | 6 | 132 | 6 | 3 |
| 7 | 6 | 2 | 12 | 6 | 10 | 10 | 0 | 11 | 8 | 2 | 136 | 17 | 6 |
| 8 | 0 | 2 | 16 | 0 | 11 | 4 | 0 | 12 | 3 | 4 | 146 | 0 | 0 |
| 8 | 6 | 2 | 18 | 6 | 11 | 14 | 0 | 12 | 18 | 6 | 155 | 2 | 6 |
| 9 | 0 | 3 | 3 | 0 | 12 | 12 | 0 | 13 | 13 | 9 | 164 | 5 | 0 |
| 9 | 6 | 3 | 6 | 6 | 13 | 6 | 0 | 14 | 9 | 0 | 173 | 7 | 6 |
| 10 | 0 | 3 | 10 | 0 | 14 | 0 | 0 | 15 | 4 | 2 | 182 | 10 | 0 |
| 10 | 6 | 3 | 13 | 6 | 14 | 14 | 0 | 15 | 19 | 4 | 191 | 12 | 6 |
| 11 | 0 | 3 | 17 | 0 | 15 | 8 | 0 | 16 | 14 | 7 | 200 | 15 | 0 |
| 11 | 6 | 4 | 0 | 6 | 16 | 2 | 0 | 17 | 19 | 10 | 209 | 17 | 6 |
| *12* | *0* | *4* | *4* | *0* | 16 | 16 | 0 | 18 | 5 | 0 | 219 | 0 | 0 |

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